DYNEX™

15", 19", and 22" LCD TVs

DX-L15-10A/DX-L19-10A/DX-L22-10A

USER GUIDE

Dynex DX-L15-L19-L22-10A 15", 19", and 22" LCD TVs

Contents

Child Safety 1

Important safety instructions 2
- Warnings 2
- Cautions 2

Installing and removing the stand 3
- Installing the stand 3
- Adjusting the viewing angle of the TV 4
- Removing the stand 4
- Installing a wall-mount bracket 4

TV components 5
- Front 5
- Side 5
- Back 5
- Remote control 6

Using the remote control 7
- Installing remote control batteries 7
- Aiming the remote control 7
- Programming a universal remote control to work with your TV 7

Making connections 8
- Connecting the power 8
- Connecting an antenna, cable TV, or satellite TV box 8
- Connecting a VCR 8
- Connecting a camcorder or game 8
- Connecting an HDMI device 9
- Connecting a component video device 9
- Connecting a computer 9
- Connecting headphones 10

Turning on your TV for the first time 10

Understanding the basics 11
- Turning your TV on or off 11
- Selecting the video input source 11
- On-screen menu overview 11
- Navigating the menus 12
- Selecting a channel 12
- Adjusting the volume 12
- Adjusting basic settings 12
- Displaying additional information 13

Adjusting the picture 13
- Adjusting the TV picture 13
- Adjusting Advanced Video settings 13
- Adjusting the computer image 14

Adjusting the sound 14
- Adjusting the sound 14
- Selecting the audio mode 15
- Playing TV audio only 15

Changing channel settings 15
- Automatically scanning for channels 15

Selecting the signal source 16
Hiding channels 16
Setting up a favorite channel list 16
Adding or changing a channel label 17
Checking the DTV signal strength 18

Setting parental controls 18
Turning parental controls on or off 18
Setting or changing the password 19
Setting parental control levels 20
Downloading rating information 21

Using closed captioning 22
Turning closed captioning on or off 22
Selecting the closed captioning mode 22
Customizing DTV closed captioning styles 23

Adjusting time settings 24
Setting the clock 24
Setting the sleep timer 24

Adjusting menu settings 25
Selecting the menu language and transparency 25
Labeling an input source 26
Restoring default settings 26

Troubleshooting 27
Video and audio 27
Remote control 27
General 27

Maintenance 27
Cleaning 27

Specifications 27

Legal notices 28

One-year limited warranty 29

CHILD SAFETY

It makes a difference how and where you use your flat panel display

As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety

- One size of TV stand does not fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.

Wall mounting

If you decide to wall mount your TV, always:

- Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV. One size of wall mount does not fit all.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.
- TVs can be heavy. At least two people are required for safe wall mount installation.

CEA
Consumer Electronics Association

Important safety instructions

CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The *mains plug* is the disconnecting device. The plug must remain readily operable.
16. The apparatus with grounding-type plug is a class I apparatus. Class I apparatus need to be connected to earth ground wire to prevent possible electric shock. Make sure that you connect the class I apparatus to a mains socket outlet with a protective earthing connection.
17. Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
18. The apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

Damage requiring service

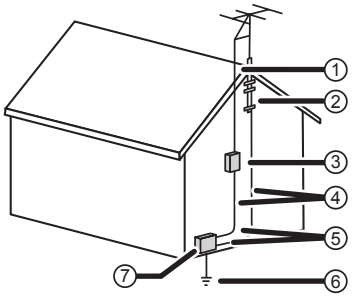
Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other

controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



1	Antenna lead-in wire
2	Grounding clamp
3	Antenna discharge unit
4	Grounding conductors
5	Ground clamps
6	Power service grounding electrode system
7	Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

Installing and removing the stand

You must install your TV into the stand for it to stand upright on a cabinet or other flat surface. If you intend to mount your TV on a wall or other vertical surface, you must remove the stand column.

***Warning**: Before attempting assembly or removal of the stand, unplug the AC power cord.*

***Cautions**:*

Read these instructions thoroughly before attempting this installation.

Make sure that you handle your TV very carefully when attempting assembly or removal of the stand. If you are not sure of your ability to do this, or to use the tools necessary to complete this job, refer to a professional installer or service personnel. The manufacturer is not responsible for any damages or injuries that occur due to mishandling or improper assembly.

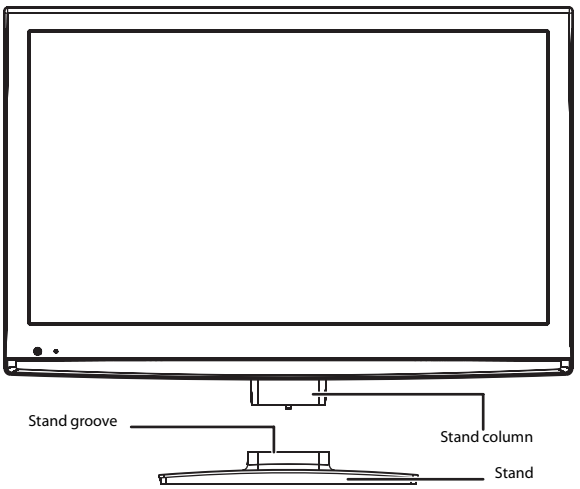
When using a table or bench as an aid to assembly, make sure that you place the TV on a soft cushion or covering to prevent accidental scratching or damage to your TV's finish.

The speaker is not intended to support the weight of your TV. Do not move or handle your TV by the speaker. This can cause damage to your TV that is not covered by the manufacturer's warranty.

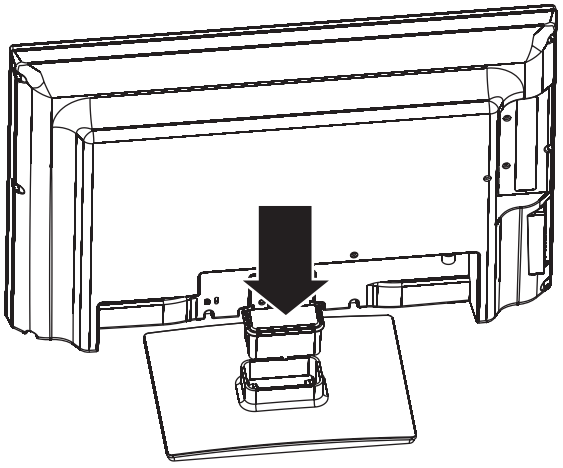
Installing the stand

To install the stand:

1. Remove the stand from the box and place it on a table or bench.
2. Hold your TV upright and align the stand column on the TV with the stand groove on the stand, then insert the TV into the stand.



3 Gently push down on the TV until it clicks into place.

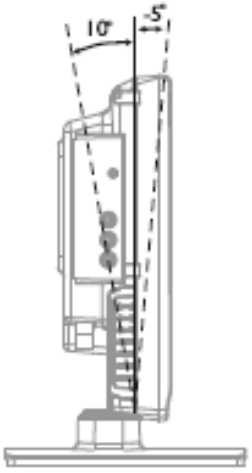


Adjusting the viewing angle of the TV

To adjust the viewing angle:

- Adjust the angle forward up to 5° and backward up to 10°.

***Caution**: When adjusting the angle, use caution to avoid slipping or tipping the TV.*

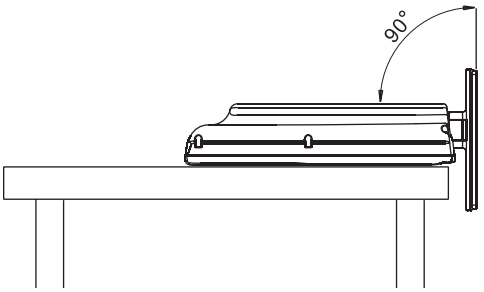


Removing the stand

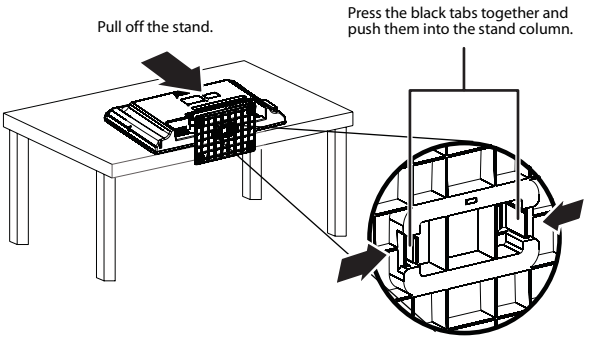
To remove the stand from the stand column:

1 Lay your TV face down on a table or bench. Make sure that you put down a soft cushion or cloth so that your TV is not scratched).

2 Adjust the stand so that the angle between the stand and the TV is 90°.



3 Press the two black tabs on the bottom of the stand together and push them into the stand column, then pull the stand off the stand column.

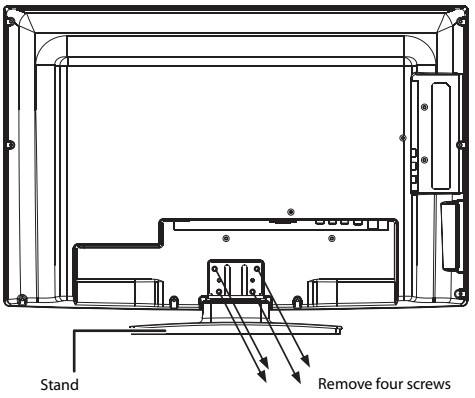


Installing a wall-mount bracket

If you want to attach the TV to a wall-mount bracket (not provided), you should first remove the stand pedestal if it is pre-attached.

To remove the stand column:

1 Lay your TV face down on a table or bench. Make sure that you put down a soft cushion or cloth so that your TV is not scratched).



2 Remove the four screws holding the stand column to your TV, then remove the stand and the stand column.

***Note**: The appearance of this product in these illustrations may differ from your actual product, and is for comparative purposes only.*

To attach your TV to a wall-mount bracket:

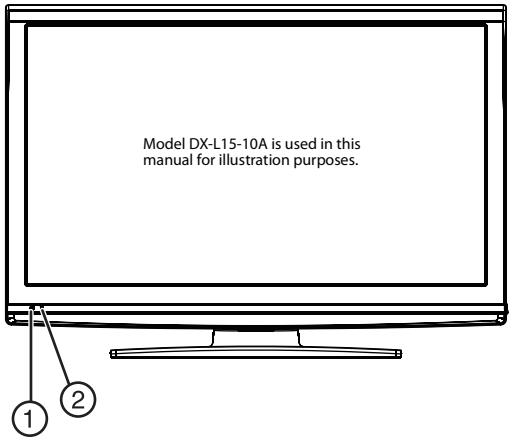
***Warning**: These servicing instructions are for use by qualified service personnel only. To reduce the risk of hazards, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.*

1 Remove the four screws holding the TV to its base, as described above.

2 Secure the wall-mount bracket to the back of your TV using the four M4*10 screws provided with the bracket.

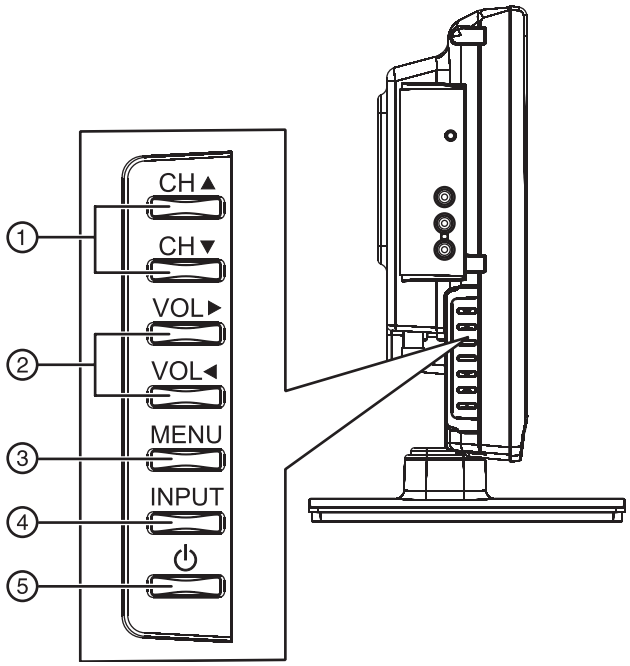
TV components

Front



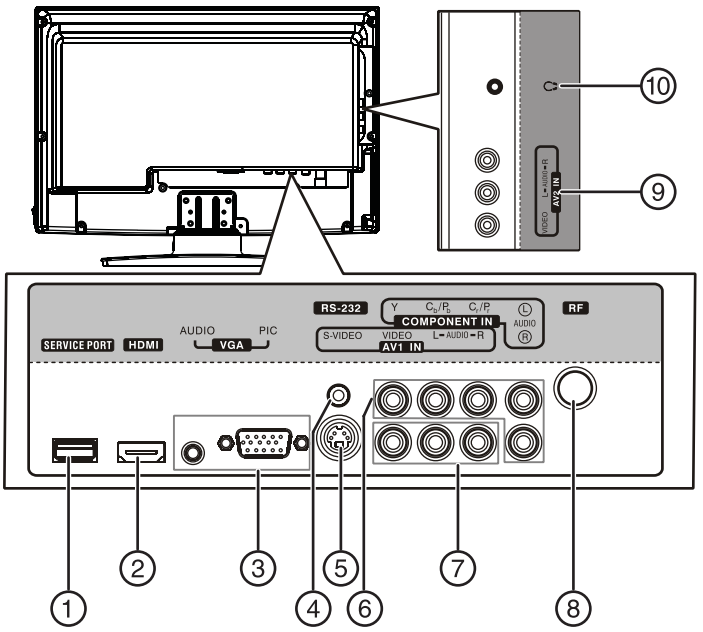
#	Component	Description
1	Remote sensor	Receives signals from the remote control. Do not block.
2	Power indicator	Lights blue when your TV is turned on. Lights red when your TV is in standby mode. No lights when power cord is unplugged.

Side



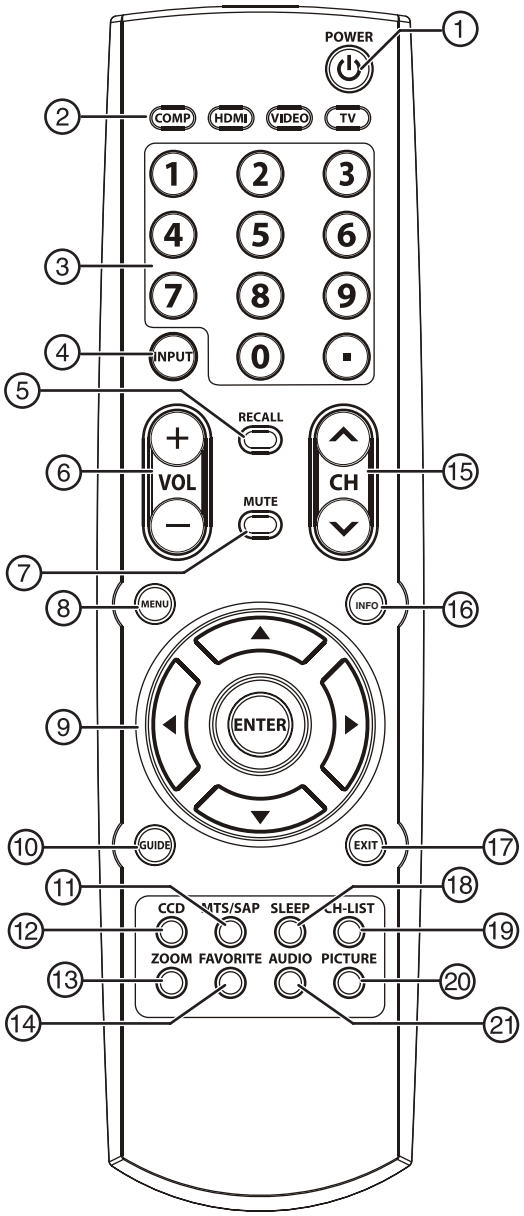
#	Component	Description
1	CH▲/CH▼	Press to go to the next or previous channel in the channel list.
2	VOL►/VOL◄	Press to increase or decrease the volume.
3	MENU	Press to open the on-screen menu.
4	INPUT	Press to select the video input source.
5	⏻ (Power) button	Press to turn on your TV. Press again to put your TV in standby mode.

Back



##	Component	Description
1	Service port	For software update only. Do not use.
2	HDMI jack	Connect an HDMI device, such as a cable box or DVD player, to this jack. An HDMI cable carries both video and audio, so you do not need to make an audio connection. For more information, see “Connecting an HDMI device” on page 9.
3	VGA AUDIO/ VGA PIC jacks	Connect a computer to these jacks. For more information, see “Connecting a computer” on page 9.
4	RS-232 jack	For service only. Do not use.
5	S-VIDEO jack	Connect an S-Video device to this jack. S-Video does not carry an audio signal, so you will need to connect audio cables from the device to the AV1 audio jacks.
6	COMPONENT IN jack	Connect a component video device to these jacks. For more information, see “Connecting a component video device” on page 9.
7	AV1 IN jack	Connect an AV device (video and audio) to these jacks. Match the color of the connectors to the color of the jacks (yellow for video, red for audio right, and white for audio left). For more information, see “Connecting a camcorder or game” on page 8.
8	RF jack	Connect an antenna, cable TV, or a satellite box to this jack. For more information, see “Connecting an antenna, cable TV, or satellite TV box” on page 8.
9	AV2 IN jack	Connect an AV device to this jack, then connect audio cables to the audio jacks.
10	Headphone jack	Plug headphones into this jack.

Remote control



#	Button	Description
1	⏻ (Power)	Press to turn on your TV. Press again to put your TV in Standby mode.
2	COMP/HDMI/ VIDEO/TV	Press to select the input source. • Press **COMP** to select **COMPONENT**. • Press **HDMI** to select **HDMI**. • Press **VIDEO** to select **AV1**, press twice to select **AV2**, press three times to select **S-VIDEO**. • Press **TV** to select **TV**.
3	Numbers/Dot(.)	Press to enter channel numbers or the parental control password. Press the dot button to select a digital sub-channel.
4	INPUT	Press to open the *INPUT SOURCE* menu, then press ▲ or ▼ to select the video input source. You can select **TV**, **AV1**, **AV2**, **S-VIDEO**, **Component**, **HDMI**, or **VGA** (PC).
5	RECALL	Press to go to the last viewed channel.
6	VOL+/VOL–	Press to increase or decrease the volume.

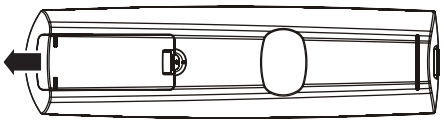
#	Button	Description
7	MUTE	Press to turn off the sound. Press again to turn on the sound.
8	MENU	Press to open the on-screen menu.
9	▲ ▼ ► ◄/ **ENTER**	Press direction buttons to navigate in the on-screen menus. Press **ENTER** to confirm selections in an on-screen menu or to open a submenu.
10	GUIDE	Press to open the DTV program guide (if available). For more information, see "Displaying additional information" on page 13.
11	MTS/SAP	Press to select the audio mode. For analog channels, you can select **STEREO**, **SAP** (secondary audio program), or **MONO**. For digital channels, you can select the audio track (if more than one track is available). For more information, see "Selecting the audio mode" on page 15.
12	CCD	Press to turn closed captioning on or off. For more information, see "Turning closed captioning on or off" on page 22 or "Selecting the closed captioning mode" on page 22.
13	ZOOM	Press to select the aspect ratio. You can select **Normal**, **Wide**, **Zoom**, or **Cinema**. For more information, see "Adjusting Advanced Video settings" on page 13.
14	FAVORITE	Press to display the favorite channel list. For more information, see "Setting up a favorite channel list" on page 16.
15	CH∧/CH∨	Press to go to the next or previous channel in the channel list. For more information, see "Selecting a channel" on page 12.
16	INFO	Press to display the information banner. For more information, see "Displaying additional information" on page 13.
17	EXIT	Press to close the on-screen menu.
18	SLEEP	Press to set the sleep timer. For more information, see "Setting the sleep timer" on page 24.
19	CH-LIST	Press to open the channel list. For more information, see "Selecting a channel" on page 12.
20	PICTURE	Press to select the picture mode. You can select **Vivid, Standard, Sports, Theater, Energy Saving,** or **Custom.** For more information, see "Adjusting the picture" on page 13.
21	AUDIO	Press to select the sound mode. You can selec**t News, Music, Movie,** or **Custom.** For more information, see "Adjusting the sound" on page 14.

Using the remote control

Installing remote control batteries

To install remote control batteries:

1. Open the battery compartment cover by lifting it off when you press the release button.
2. Insert two AAA batteries into the battery compartment. Make sure that the + and – symbols on the batteries match the + and – symbols in the battery compartment.



3. Replace the cover.

Notes:

Do not mix different types of batteries.

Do not mix old and new batteries.

Remove batteries when they no longer have a charge. Chemicals may leak into the battery compartment. Battery chemicals can cause a rash. If chemicals leak, clean the battery compartment with a cloth.

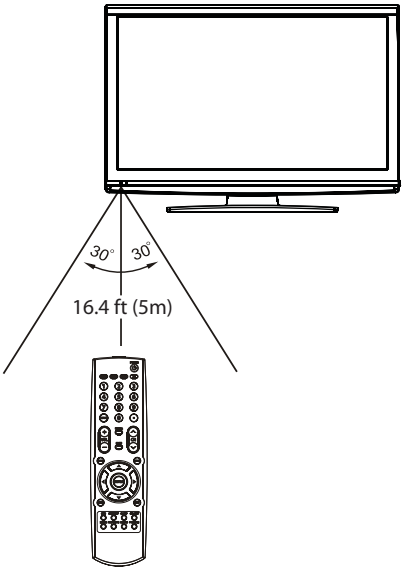
Remove the batteries if you do not intend to use the remote control for an extended amount of time.

Do not dispose of batteries in a fire. Dispose of them as hazardous waste.

Aiming the remote control

To use the remote control:

- Point the remote control towards the remote sensor on the front of your TV.



Notes:

Do not expose the remote control to shock or liquids.

Do not use the remote control in an area with high humidity.

Do not place the remote control in direct sunlight.

Do not place objects, such as furniture, between the remote control and the remote sensor.

The remote control may not work if direct sunlight or bright light shines on the remote sensor. Either move your TV or change the angle at which you use the remote control.

Programming a universal remote control to work with your TV

You can operate your TV with a new or existing universal remote control.

To program a universal remote control:

1. Find the code for your universal remote control by identifying its model (or your set-top box's remote control manufacturer and model) on the charts below, then make note of the numbered code below it. You will use the numbered code to program your remote control to work with your TV.

Dynex TV codes for universal remote controls (for all Dynex TVs manufactured after Jan. 1, 2007)				
Universal remote control manufacturer and model				
Philips PHDVD5, PH5DSS, PMDVR8, PDVR8	DirectTV RC23	RCA RCU807	One for All URC-6690	Sony RM-VL600
115	**10463**	**135**	**0464**	**8043**
Set-top box manufacturer and model				
Comcast M1057	Dish Network VIP508, VIP622	Motorola DRC800	TIVO Series 3, HD	
0463	**720**	**0463**	**0091**	

Codes for other remote controls are available online at: www.dynexproducts.com\t-customer_support.aspx

Tips:

- *The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back.*
- *If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.*

2. Follow your universal remote control's instructions to enter the code you found in Step 1.

Tips:

- *If your universal remote control has a code search feature, run a code search to identify a code that matches your TV. See your universal remote control's instructions for details.*
- *If your universal remote control has a "Learn" feature, you can manually program it using your TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.*

3. If all else fails, you must use a different universal remote control that can operate both your set-top box and your TV. Five such remotes are listed on the chart, but many other compatible models are available in the market.

   For more help, call technical support for your universal remote control or set-top box manufacturer, or call the Dynex Customer Care Center at 1-800-305-2204.

Making connections

Cautions:

Check the terminals for position and type before making any connections.

Loose connections can result in image or color problems. Make sure that all connections are tight and secure.

The external audio/video equipment shown in these illustrations may be different from your equipment. If you have questions, refer to the user manual that came with your equipment.

Always turn the power off when connecting external equipment.

Connecting the power

To connect the power:

- Plug the AC cord into an AC power outlet.

Notes:

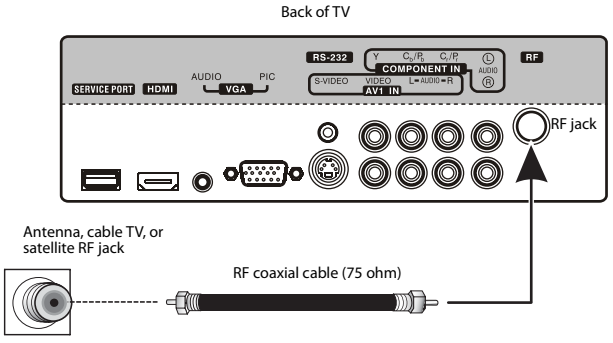
Your TV should only be operated from the power source indicated on the label.

Always unplug the AC power cord from the AC power outlet when you will not be using your TV for an extended period of time.

Connecting an antenna, cable TV, or satellite TV box

To connect an antenna, cable TV, or satellite TV box:

1. Connect one end of a 75 ohm cable (not included) to the **RF OUT** jack on the antenna or on the cable or satellite TV box.



2. Connect the other end of the cable to the **RF** jack on the back of your TV.

Notes:

Use a 75 ohm cable to eliminate interference and noise from radio waves.

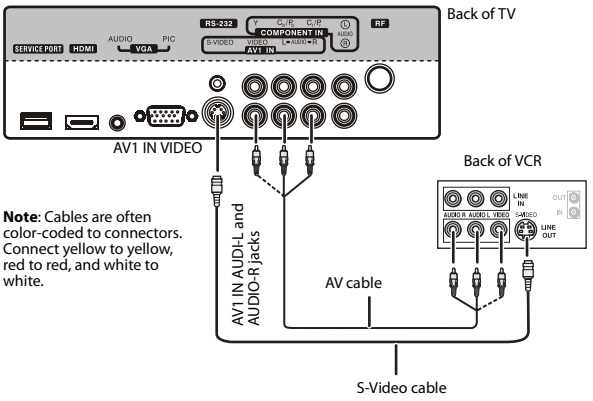
Do not bundle the 75 ohm cable with the power cord or other cables.

If the antenna is not installed correctly, contact qualified service personnel to correct the problem.

Connecting a VCR

To connect a VCR:

1. Make sure that your TV's power cord is unplugged and the VCR is turned off.
2. Connect an AV cable to the **AV VIDEO OUT** jack on the VCR. You can connect an S-Video cable to the **S-VIDEO OUT** jack instead of the **AV VIDEO OUT** jack.



3. Connect the other end of the cable to the **AV1 IN VIDEO** jack on the back of your TV. For a better picture, you can connect an S-Video cable to the **S-Video** jack instead of using an AV cable with the **AV1 IN VIDEO** jack.
4. Connect an audio cable to the **AV AUDIO OUT** jacks on the VCR.
5. Connect the other end of the cable to the **AV1 IN AUDIO-L** and **AUDIO-R** jacks on the back of your TV.

To play from the VCR:

1. Turn on your TV, then press **INPUT**. The *INPUT SOURCE* menu opens.
2. Press ▲ or ▼ to select **AV1** or **S-VIDEO**, then press **ENTER**.

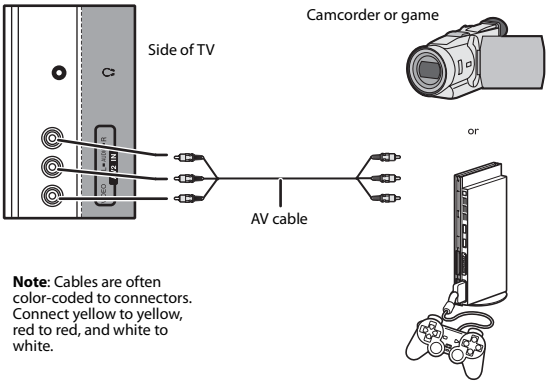
   Note: *You can also press **VIDEO** once for **AV1** or three times for **S-Video**.*
3. Turn on the VCR, insert a videotape, then press **PLAY** on the VCR.

Connecting a camcorder or game

Tip: *Some game consoles have an HDMI connector, which can be used for a better picture.*

To connect a camcorder or game:

1. Make sure that your TV's power cord is unplugged and the camcorder or game is turned off.
2. Connect an AV cable to the **AV OUT VIDEO**, **AUDIO-L**, and **AUDIO-R** jacks on the camcorder or game.



3. Connect the other end of the cable to the **AV2 IN VIDEO**, **AUDIO-L**, and **AUDIO-R** jacks on the side of your TV.

To play from a camcorder or game:

1. Turn on your TV, then press **INPUT**. The *INPUT SOURCE* menu opens.
2. Press ▲ or ▼ to select **AV2**, then press **ENTER**.

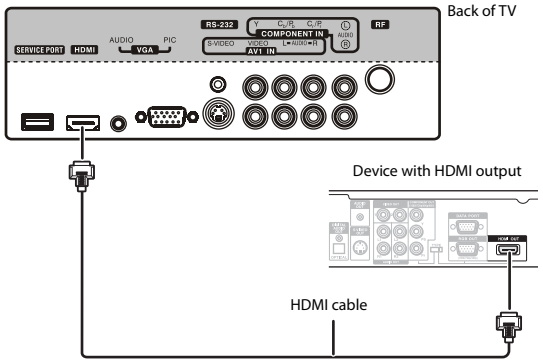
   Note: *You can also press **VIDEO** twice for **AV2**.*

3. Turn on the camcorder or game, and set it to the correct output mode. See the camcorder's or game's user guides for more information.

Connecting an HDMI device

To connect an HDMI device:

1. Make sure that your TV's power cord is unplugged and the HDMI device is turned off.
2. Connect an HDMI cable to the **HDMI OUT** jack on the HDMI device.



3. Connect the other end of the cable to the **HDMI** jack on the back of your TV.

To play from the HDMI device:

1. Turn on your TV, then press **INPUT**. The *INPUT SOURCE* menu opens.
2. Press ▲ or ▼ to select **HDMI**, then press **ENTER**.

   Tip: *You can also press **HDMI** for **HDMI**.*

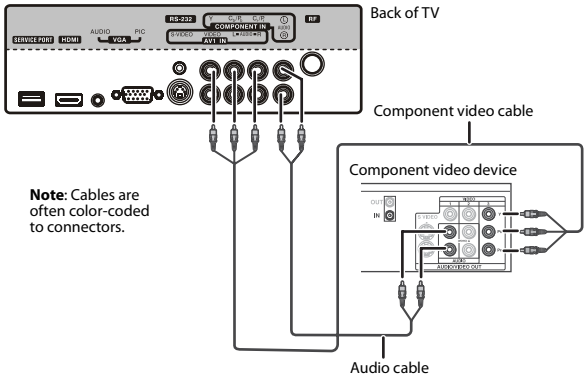
3. Turn on the HDMI device, and set it to the correct output mode. See the HDMI device's user guide for more information.

   Note: *If the external device has DVI output only, use a DVI-to-HDMI adapter to connect to the **HDMI** jack, then connect an audio cable to the **VGA AUDIO** jack.*

Connecting a component video device

To connect a component video device:

1. Make sure that your TV's power cord is unplugged and the component video device is turned off.
2. Connect a component video cable to the **COMPONENT OUT** jacks on the component video device.



3. Connect the other end of the component video cable to the **COMPONENT** jacks on the back of your TV.
4. Connect an audio cable to the **AUDIO OUT** jacks (L/R) on the component device.
5. Connect the other end of the audio cable to the **COMPONENT AUDIO-R** and **AUDIO-L** jacks on the back of your TV.

To play from a component device:

1. Turn on your TV, then press **INPUT**. The *INPUT SOURCE* menu opens.
2. Press ▲ or ▼ to select **Component**, then press **ENTER**.

   Tip: *You can also press **COMP** for **Component**.*

3. Turn on the component video device and set it to the correct output mode. See the component video device's user guide for more information.

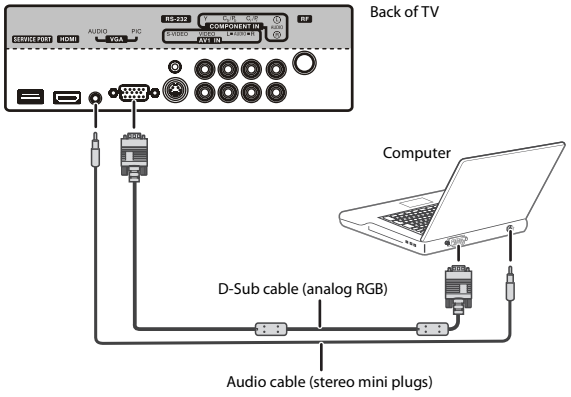
Connecting a computer

Tip: *Some computers have an HDMI connector, which can be used for a better picture.*

To connect a computer:

1. Make sure that your TV's power cord is unplugged and the computer is turned off.
2. Connect a VGA cable to the **VGA** jack on the computer, then connect the other end of the cable to the **VGA PIC** jack on the back of your TV.

   Note: *The VGA cable should be a 15-pin D-Sub (analog RGB) cable.*



3. Connect an audio cable to the **AUDIO OUT** jack on the computer, then connect the other end of the cable to the **VGA AUDIO** jack on the back of your TV.

   Note: *The audio cable should have a stereo mini plug.*

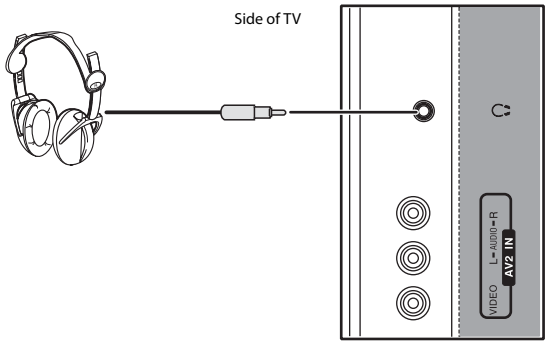
To play video from a computer:

1. Turn on your TV, then press **INPUT**. The *INPUT SOURCE* menu opens.
2. Press ▲ or ▼ to select **VGA**, then press **ENTER**.
3. Turn on the computer, then adjust the display properties, if necessary.

Connecting headphones

To connect headphones:

- Connect the headphones to the headphone jack on the side of your TV.

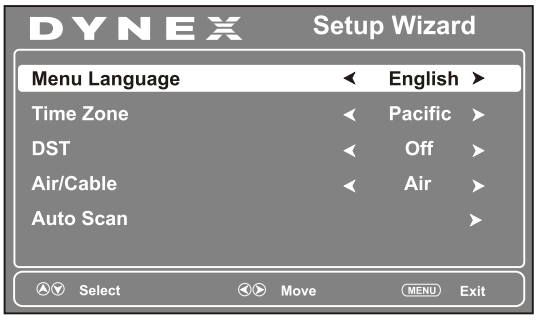


Note: *Loud noise can damage your hearing. When using headphones, use the lowest volume setting that still lets you hear the sound.*

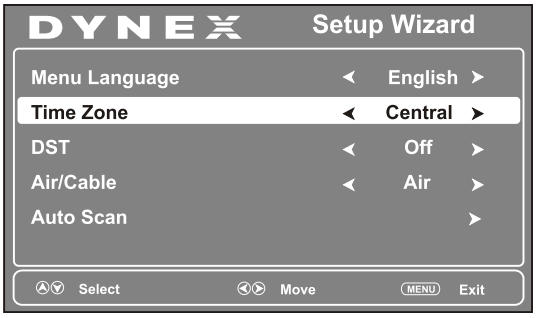
Turning on your TV for the first time

To configure your TV:

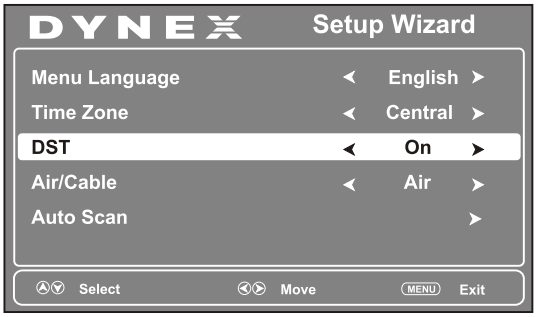
1. Make sure that you have inserted the batteries in the remote control, connected the antenna to the TV, and connect the AC power.
2. Press ⏻ (Power), then wait several seconds. The initial *Setup Wizard* screen opens (only the first time you turn on your TV).



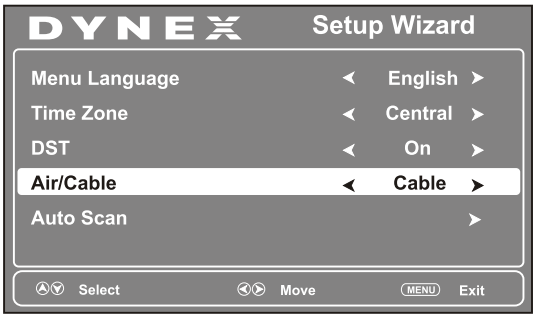
3. Press ▲ or ▼ to highlight **Menu Language**, then press ◄ or ► to select the menu language you want.
4. Press ▼ to highlight **Time Zone**, then press ◄ or ► to select your time zone.



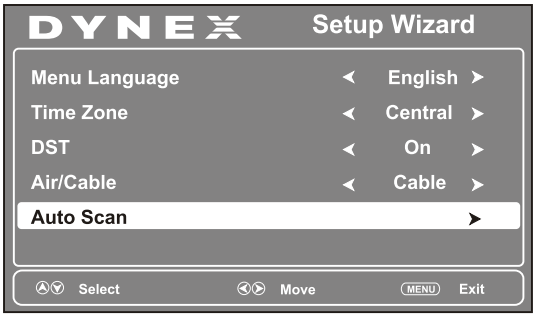
5. Press ▼ to highlight **DST** (Daylight Saving Time), then press ◄ or ► to select **On** (to automatically change the time for Daylight Saving Time), or **Off** (to ignore it or set it yourself).



6. Press ▼ to highlight **Air/Cable**, then press ◄ or ► to select **Air** or **Cable**, depending on the type of antenna connection you have.



7. Press ▼ to highlight **Auto Scan**, then press **ENTER** or ► to automatically scan for available channels.



Auto Scan may take a while to complete. A progress report is displayed while your TV is scanning for available channels. You can press **MENU** to exit Auto Scan prior to completion, but you will need to run Auto Scan later to complete the process.

Auto Scan creates a list of available/receivable channels for the selected signal input.

Understanding the basics

Turning your TV on or off

To turn your TV on or off (standby mode):

1. Plug the power cord into an AC power outlet.
2. Press ⏻ (power). Your TV turns on.
3. Press ⏻ again to turn off your TV. When you turn off your TV, it goes into standby mode.

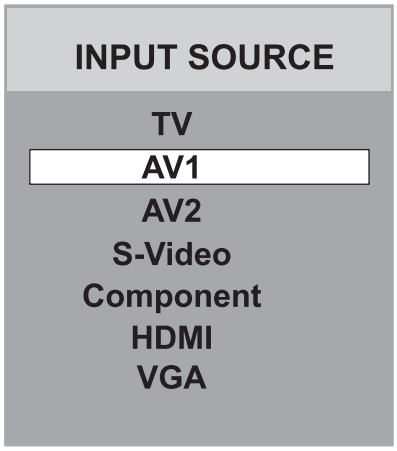
Warning: *When your TV is in standby mode, it is still receiving power. To completely disconnect power, unplug the power cord.*

Note: *If your TV does not receive an input signal for several minutes, it automatically goes into standby mode.*

Selecting the video input source

To select the video input source:

1. Turn on your TV, then press the **INPUT** key on the remote, or the INPUT button on the TV. The *INPUT SOURCE* menu opens.



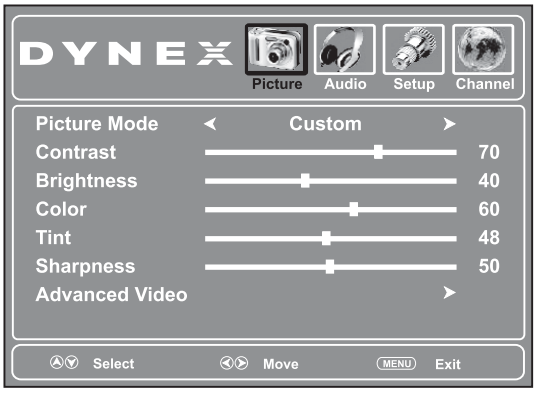
2. Press ▲ or ▼ to highlight the video source, then press **ENTER**.

You can also select the input source using the following remote control buttons:

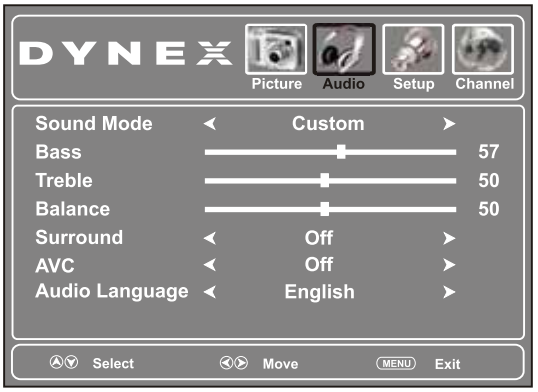
- **COMP**—Press to select **Component**.
- **HDMI**–Press to select **HDMI**.
- **VIDEO**—Press once to select **AV1**. Press twice to select **AV2**. Press three times to select **S-Video**.
- **TV**—Press to select **TV**.

On-screen menu overview

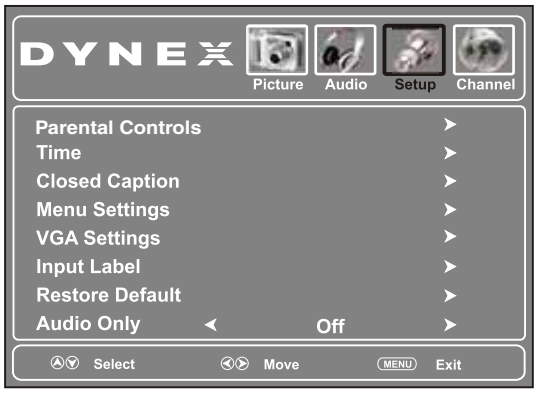
Picture menu



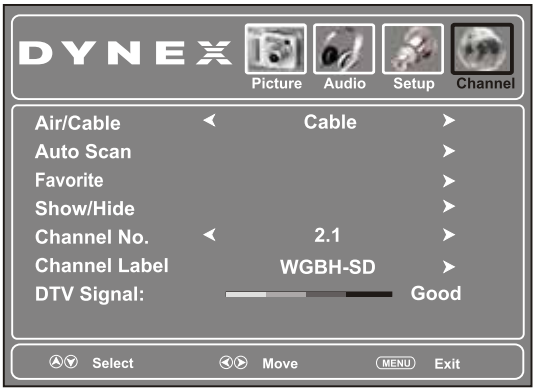
Audio menu



Setup menu



Channel menu



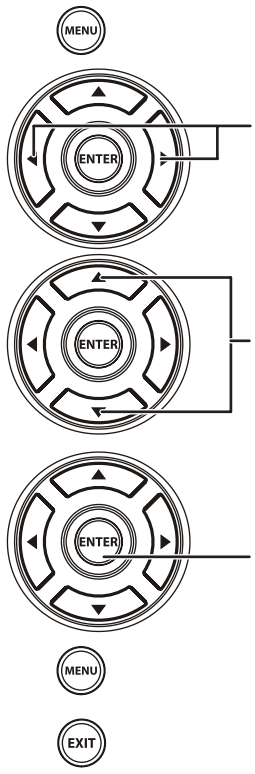
Notes:

Depending on the signal source selected, you may see different options on your screen. The above menus are shown in TV mode.

Menu items that are not selectable are grayed out. Menus in this manual are described in TV mode, unless otherwise indicated.

The illustrations and screens shown in the manual are for explanation purposes and may vary from the actual screens on your TV.

Navigating the menus



Press to display the main menu.

Press to select menu items, to adjust selected items, or move on-screen cursor left or right.

Press to select the menu items.

Press to confirm your selection or enter a sub-menu.

Press to return to the previous screen.

Press to close the menu.

Selecting a channel

To select a channel:

- Press **CH** ∧ or **CH** ∨ to go to the next or previous channel on the memorized channel list.
- Press the number buttons to enter the analog or digital (main) channel number you want, then wait for the channel to change, or press **ENTER** to change the channel immediately.
  - To select a digital sub-channel, press the number buttons to select the main digital channel, then press the dot (**.**) button to select the sub-channel. Wait for the channel to change, or press **ENTER** to change the channel immediately.

Note:

Button presses must be within three seconds of each other.

- Press **RECALL** to go to the last channel viewed.
- Press **CH-LIST** to display a list of memorized channels, press ▲ or ▼ to select the channel you want from the list, then press **ENTER** to go to that channel.
- Press **FAVORITE** to display a list of your saved favorite channels, press ▲ or ▼ to select the channel you want from the list, then press **ENTER** to go to that channel.

Note:

If either list has more than one page, press ◄ or ► to scroll through the pages.

Digital sub-channels

A digital TV signal transmits more data than an analog signal. This increase in data provides a better picture and sound with less static and interference. The increased data capacity also lets broadcasters fit several channels into the same bandwidth as an analog signal. Broadcasters may use these sub-channels to transmit a variety of information, such as weather forecasts, foreign languages, and commercials. A digital sub-channel is indicated by the main channel number, followed by a dot, then the sub-channel number. For example, 5.1 indicates sub-channel 1 of main channel 5.

Adjusting the volume

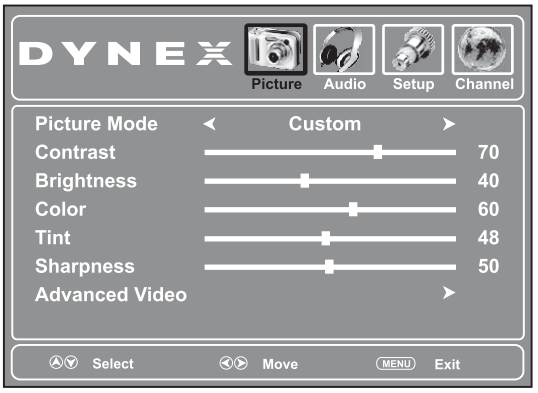
To adjust the volume:

- Press **VOL+** or **VOL–** to increase or decrease the volume.
- Press **MUTE** to temporarily turn off all sound. Press **MUTE** again to restore the sound.

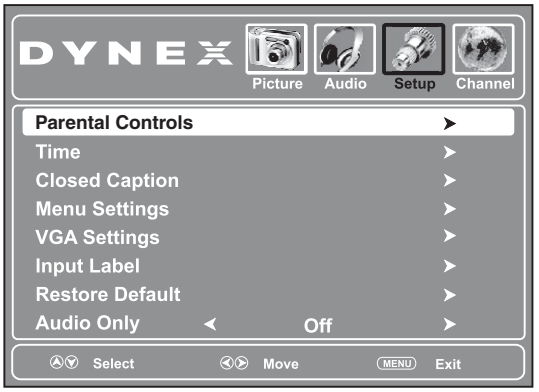
Adjusting basic settings

To adjust basic settings:

1. Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2. Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3. Press ▲ or ▼ to highlight an option, then press **ENTER** to enter the sub menu. You can select:
   - **Parental Controls**—Lets you control which programs/movies your children can watch, based on industry ratings.
   - **Time**—Lets you set the clock and the sleep timer.
   - **Closed Caption**—Lets you turn closed captioning on or off. Also lets you set closed caption options.
   - **Menu Settings**—Lets you set menu language and menu transparency.

- **VGA Settings**—Lets you adjust picture settings to optimize a computer display.
- **Input Label**—Lets you label a device connected to your TV's input jacks.
- **Restore Default**—Lets you reset most TV settings for the current source to factory default values.
- **Audio Only**—Lets you turn off the TV picture and listen to audio only.

4 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Displaying additional information

To display additional information:

1 Press **INFO** to show an information banner. The information banner shows current program information such as channel number, video input source, and resolution.
- Digital mode information—Displays channel number, station name, channel label (if preset), broadcast program name, TV rating, signal type, audio information, resolution, CC mode, current time, and current program start and end times.
- Analog mode information—Displays channel number, channel label (if preset), signal type, audio information, and resolution.

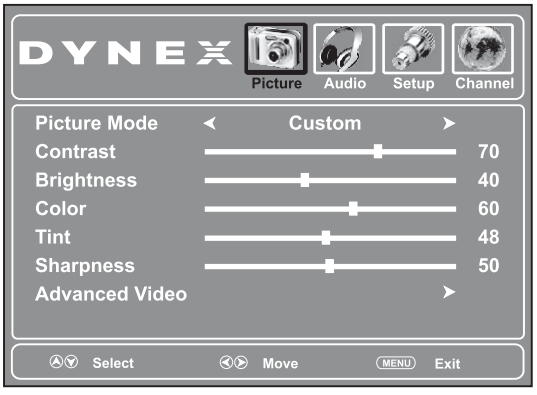
2 Press **GUIDE** to show the digital program guide, which may show a list of available programs, program times, and program summaries, depending on the information provided by the broadcaster.

Adjusting the picture

Adjusting the TV picture

To adjust the picture:

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



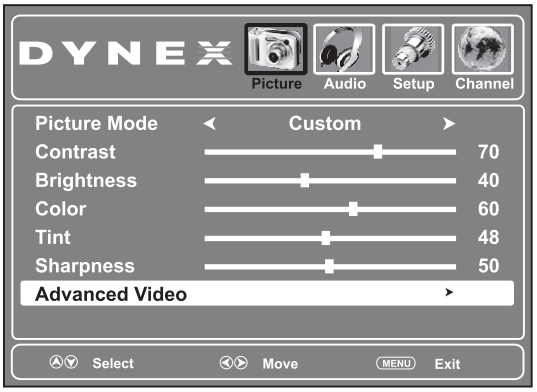
2 Press ▲ or ▼ to highlight an option, then press ◄ or ► to adjust the option. You can select:
- **Picture Mode**—Selects the picture mode. You can select **Vivid** (a bright and vivid picture), **Standard** (a standard picture), **Sports** (a dynamic picture), **Theater** (a finely detailed picture), **Energy Saving** (the backlight brightness is decreased), or **Custom** (customized picture). You can also press **PICTURE** on the remote control to select the picture mode.
- **Contrast**—Adjusts the contrast.
- **Brightness**—Adjusts the brightness.
- **Color**—Adjusts the color saturation.
- **Tint**—Adjusts the image tint.
- **Sharpness**—Adjusts the sharpness.
- **Advanced Video**—Lets you adjust the Color Temperature or Zoom Mode. Lets you turn Noise Reduction, Overscan, Adaptive Contrast, and Auto Zoom on or off.

3 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

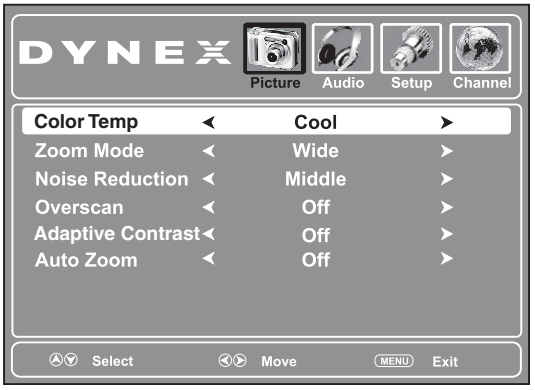
Adjusting Advanced Video settings

To adjust the Advanced Video settings:

1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



2 Press ▲ or ▼ to highlight **Advanced Video**, then press **ENTER** to open the *Advanced Video* sub menu.



3 Press ▲ or ▼ to highlight an option, then press ◄ or ► to adjust the option. You can select:
- **Color Temp**—Selects the color temperature. You can select **Warm** (to enhance the reds), **Cool** (to enhance the blues), or **Normal**.
- **Zoom Mode**—Selects the aspect ratio of the picture. You can select **Auto** (selects the correct aspect ratio automatically. Available only when **Auto Zoom** is turned **ON**), **Normal** (selects the correct aspect ratio to match the source image), **Wide** (shows a full-screen picture), **Zoom** (enlarges the picture but may crop the top and bottom), or **Cinema** (stretches the picture at the edges, but maintains a good aspect ratio at the center of the screen).
- **Noise Reduction**—Selects the noise reduction mode to reduce picture noise (snow). You can select **Weak**, **Middle**, **Strong**, or **Off**.
- **Overscan**—Turn this **On** to adjust the picture's reproduction rate when receiving DVI signals in VIDEO format.

- **Adaptive Contrast**—Turn this **On** to optimize the picture display for a more vivid image.
- **Auto Zoom**—In TV mode, setting Auto Zoom to **On** lets you set the Zoom Mode to **Auto**.

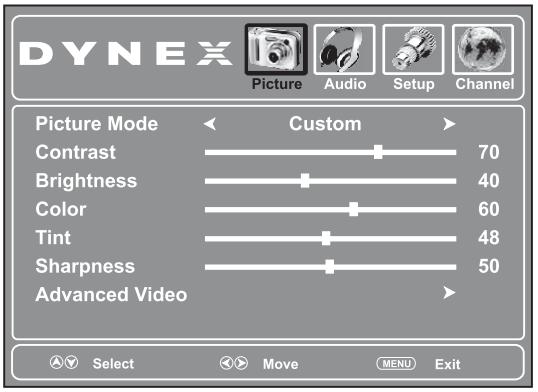
4 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the computer image

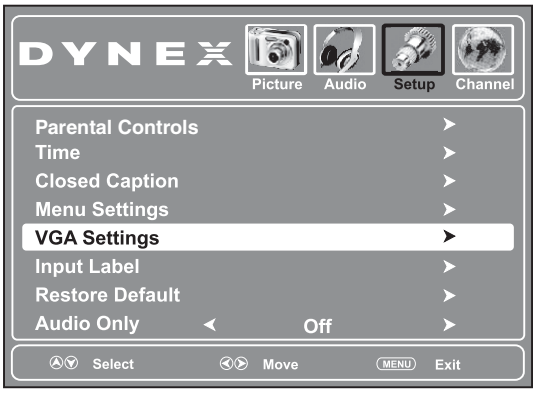
To adjust the computer image:

1 Make sure that your TV is in VGA mode. For more information, see "Selecting the video input source" on page 11.

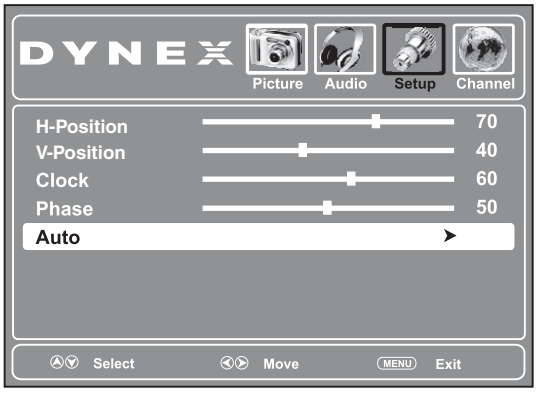
2 Press **MENU**. The on-screen menu opens.



3 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



4 Press ▲ or ▼ to highlight **VGA Settings**, then press ▼. The VGA settings menu opens.



5 Press ▲ or ▼ to highlight an option, then press ◄ or ► to adjust the option. You can adjust:

- **H-Position**—Moves the image right or left
- **V-Position**—Moves the image up or down
- **Clock**—Adjusts the sample frequency
- **Phase**—Adjusts the focus of stable images
- **Auto**—Automatically adjusts the image settings such as position and phase

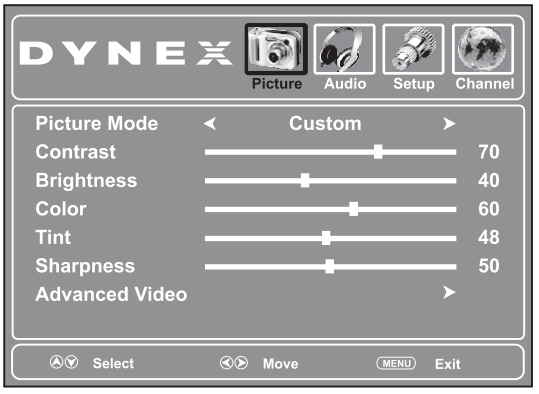
6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the sound

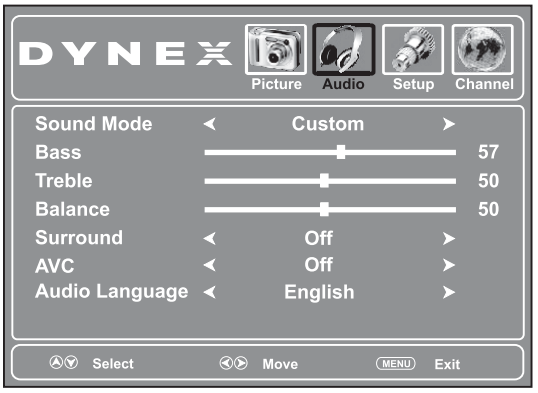
Adjusting the sound

To adjust the sound:

1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Audio**, then press ▼. The *Audio* menu opens.



3 Press ▲ or ▼ to highlight an option, then press ◄ or ► to adjust the option. You can select:

- **Sound Mode**—Selects the sound mode. You can select **Standard** (for normal programs, **News** (for news programs), **Music** (for musical programs), **Movie** (for movies), or **Custom** (for a customized sound mode). You can also press **AUDIO** one or more times to select the sound mode.
- **Bass**—Adjusts the low sounds.
- **Treble**—Adjusts the high sounds.
- **Balance**—Adjusts the balance between the left and right audio channels.
- **Surround**—Turns the surround sound effect on or off.
- **AVC**—(Auto volume control) Equalizes the overall volume levels for all channels.
- **Audio Language**—(DTV channels only) Selects an alternate audio language, if available.

4 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Selecting the audio mode

You can select the audio mode for analog channels.

To select the audio mode for analog channels:

- Press **MTS/SAP** on the remote one or more times. You can select:
  - **MONO**—Select this option if there is noise or static on weak stereo broadcasts.
  - **STEREO**—Select this option for programs broadcast in stereo.
  - **SAP**—Select this option to listen to a secondary audio program, if available.

***Note: Mono** is automatically selected if the program is broadcast in mono.*

To select an audio track for a digital channel:

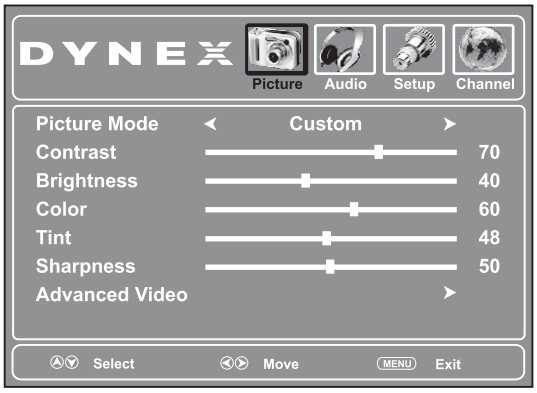
- Press **MTS/SAP**. If an audio track is available, it plays.

Playing TV audio only

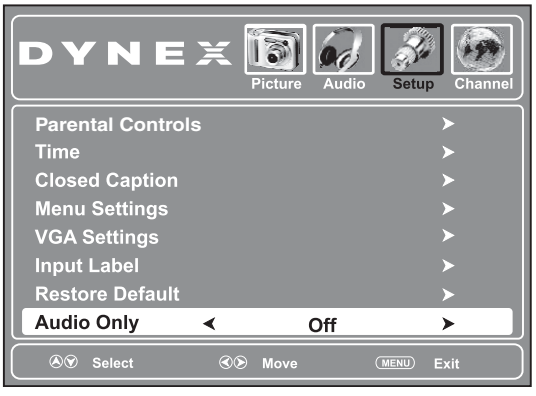
You can turn off the picture on your TV and listen to only the program audio.

To play only the TV audio:

1. Press **MENU**. The on-screen menu opens.



2. Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3. Press ▲ or ▼ to highlight **Audio Only**, then press ◄ or ► to select **On**.
4. Press **EXIT** to close the menu.

Notes:

Audio Only works only when the input source is TV and your TV is receiving a broadcast signal.

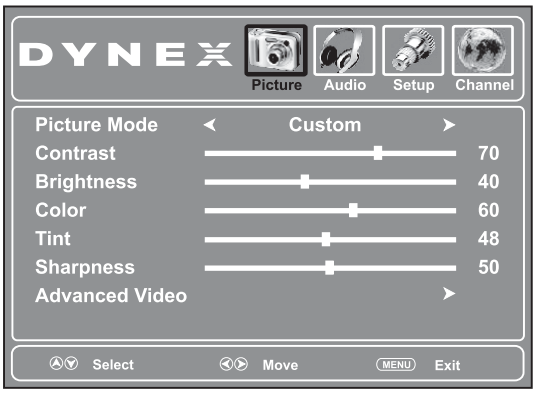
To exit Audio Only mode, press any button. When you exit Audio Only mode, the Audio Only option is automatically reset to Off.

Changing channel settings

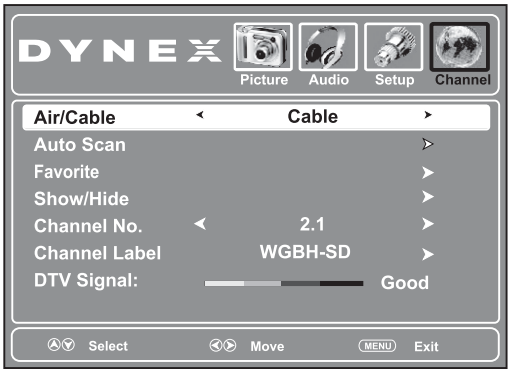
Automatically scanning for channels

To auto scan for channels:

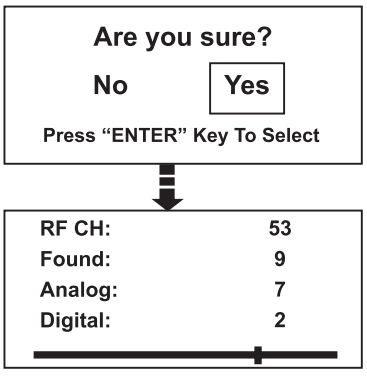
1. Press **MENU**. The on-screen menu opens.



2. Press ◄ or ► to highlight **Channel**, then press ▼. The *Channel* menu opens.



3. Press ◄ or ► to select **Air** or **Cable**.
4. Press ▲ or ▼ to highlight **Auto Scan**, then press **ENTER**. A confirmation box opens.

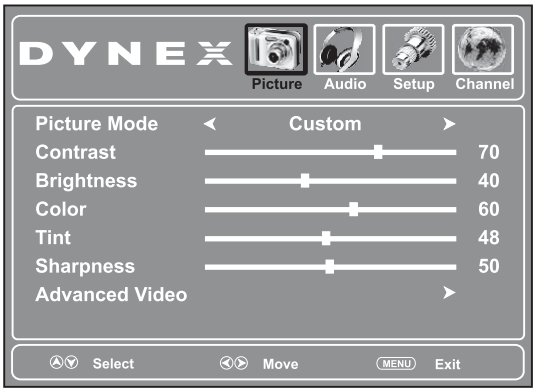


5. Press ◄ or ► to select **Yes**, then press **ENTER** to start the scan. A progress box shows the progress of the scan.

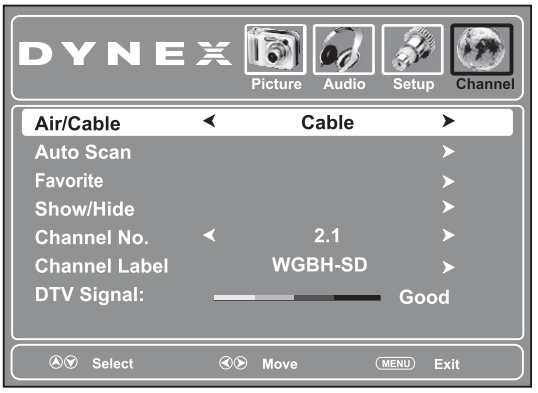
Selecting the signal source

To select the signal source:

1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Channel**, then press ▼. The *Channel* menu opens.



3 Press ◄ or ► to select **Air** or **Cable**.

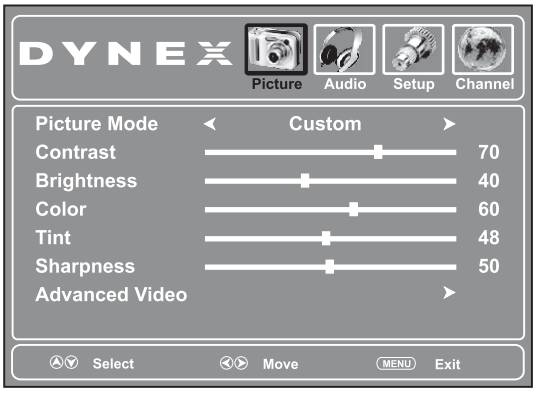
4 Press **EXIT** to close the menu.

Hiding channels

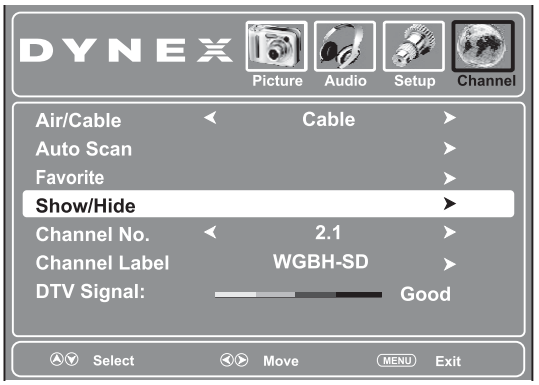
You can delete channels from the channel list so that your TV skips the channels when you press CH ⌃/CH ⌄. You can still tune to the hidden channel by using the number buttons.

To hide a channel:

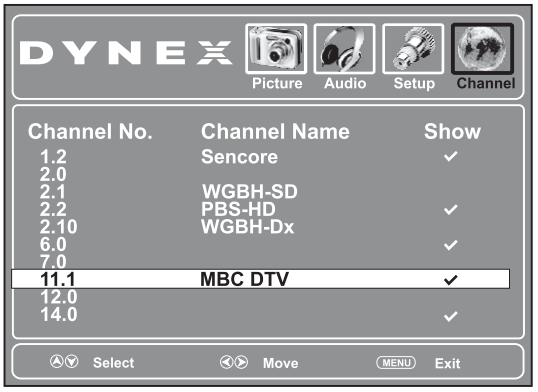
1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Channel**, then press ▼. The *Channel* menu opens.



3 Press ▲ or ▼ to highlight **Show/Hide**, then press **ENTER**. The channel list opens.



4 Press ▲ or ▼ to highlight the channel you want to hide (the default is to show the channel), then press **ENTER** to remove the check mark from the channel.

Note: *If the list has more than one page, press ◄ or ► to scroll through the pages.*

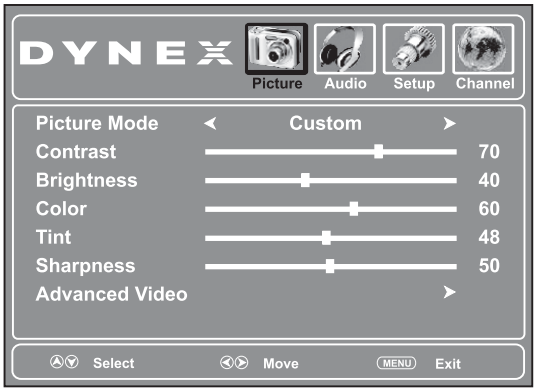
5 Press **EXIT** to close the menu.

Setting up a favorite channel list

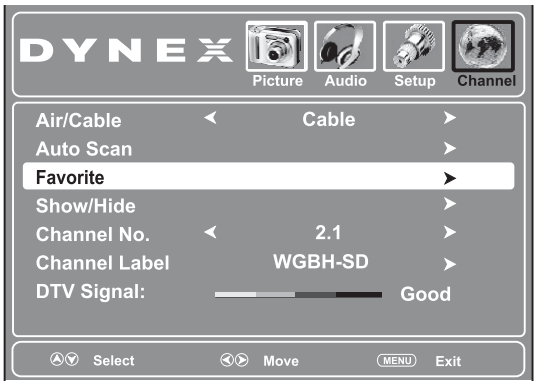
You can create a favorite channel list so you can quickly browse through your favorite channels by pressing **FAVORITE**, then selecting a channel from the favorite channel list.

To set up the favorite channel list:

1 Press **MENU**. The on-screen menu opens.

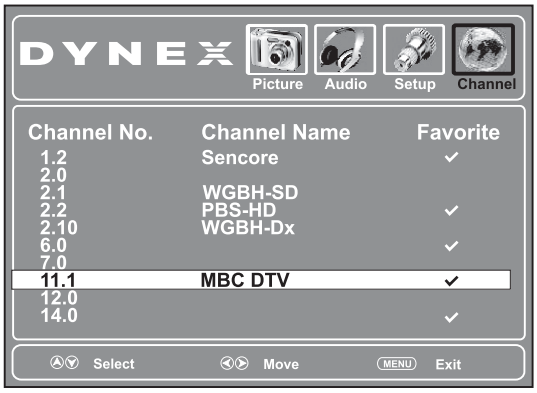


2 Press ◄ or ► to highlight **Channel**, then press ▼. The *Channel* menu opens.



3 Select the signal source of the channel you want to set up on the favorites list.

4 Press ▲ or ▼ to highlight **Favorite**, then press **ENTER**. The favorite channel list opens.



5 Press ▲ or ▼ to highlight the channel you want to add to the favorite list, then press **ENTER** to mark the channel. A check mark appears if the channel is added to the list. The check mark disappears if you delete the channel from the list.

Note: *If the list has more than one page, press ◄ or ► to scroll through the pages.*

6 Press **EXIT** to close the menu.

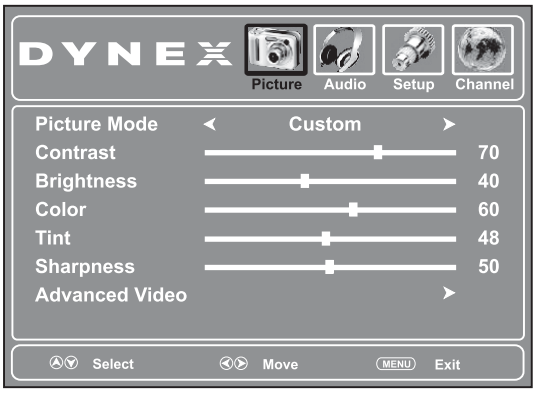
7 To select a channel in the favorite channel list, press **FAVORITE**, press ▲ or ▼ to highlight the channel, then press **ENTER**.

Adding or changing a channel label

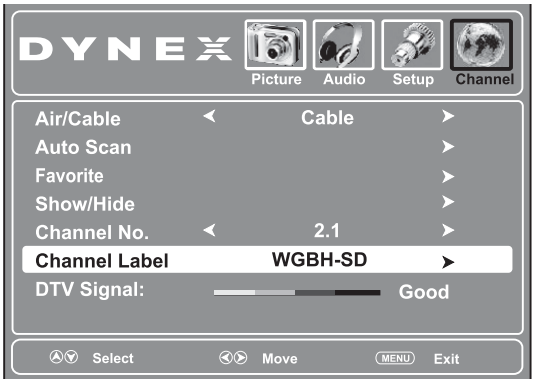
If a channel is not already labeled, you can label the channel to make it easier to identify. You can also relabel a channel that is already labeled.

To label a channel:

1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Channel**, then press ▼. The *Channel* menu opens.

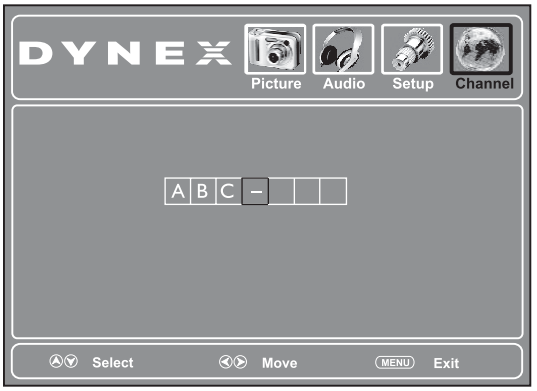


3 Select the signal source of the channel you want to label.

4 Highlight **Channel No.** , then press ◄ or ► to select the channel you want to label.

5 Press ▲ or ▼ to highlight **Channel Label.**

6 Press **ENTER** to open channel label screen. The *Channel Label* screen opens.



7 Press ▲ or ▼ to select a character, then press ◄ or ► to move to the next position. Repeat this step to add more characters.

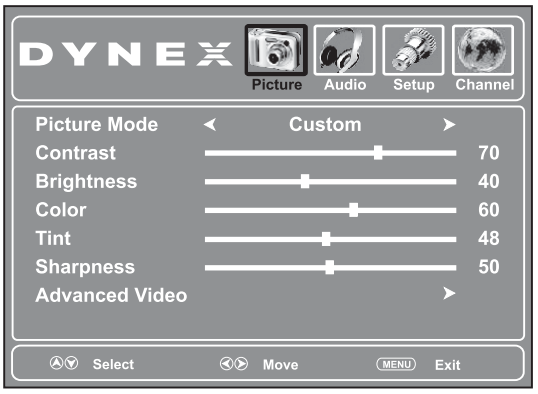
8 Press **MENU** to exit to the previous menu.

Checking the DTV signal strength

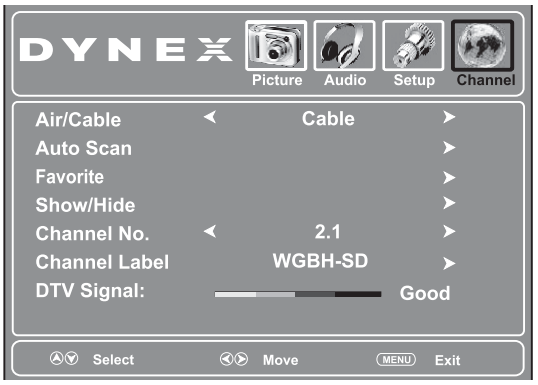
You can check the DTV signal strength to determine if you need to adjust your antenna or digital cable input. The higher the signal strength, the less likely you are to experience picture degradation.

To check the DTV signal strength:

1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Channel**, then press ▼. The *Channel* menu opens. The DTV signal strength is shown at the bottom of the menu.



3 Press **EXIT** to close the menu.

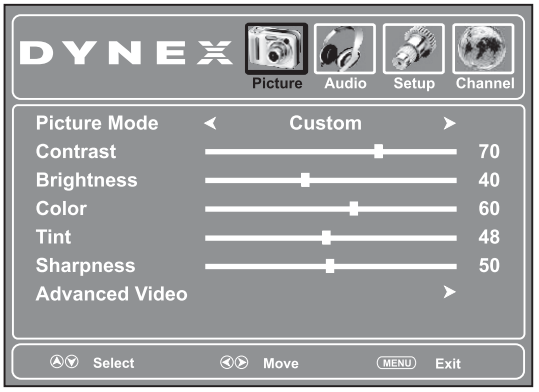
Setting parental controls

Parental controls let you prevent your children from watching inappropriate material on TV. When set, parental controls read the rating of the program (with some exceptions, such as news and sports) and deny access to programs that exceed the ratings level you select. To watch programs that exceed the selected rating, you must enter a password.

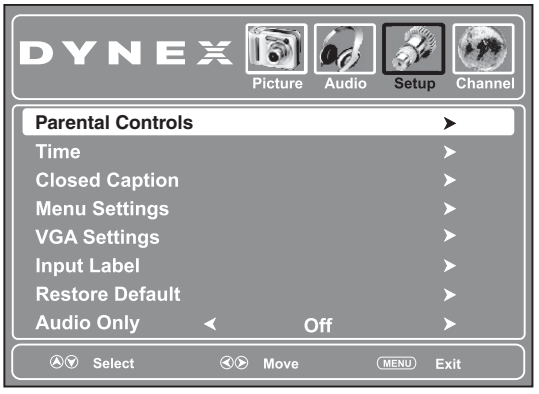
Turning parental controls on or off

To turn parental controls on or off:

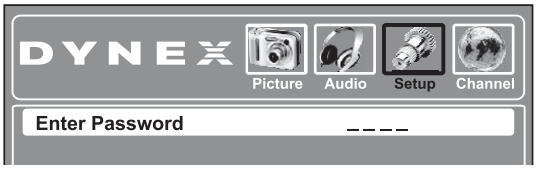
1 Press **MENU**. The on-screen menu opens.



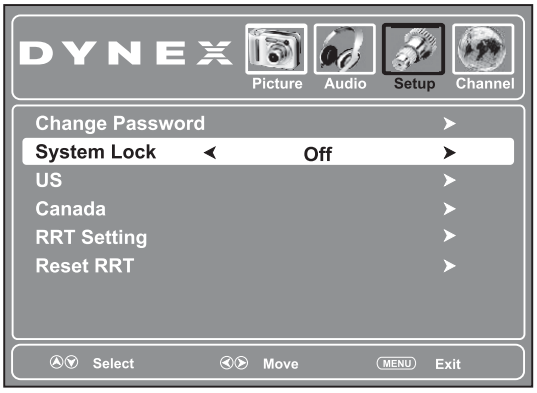
2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens with **Parental Controls** selected.



3 Press **ENTER**. The *Enter Password* screen opens.



4 Press the number buttons to enter the four-digit password. The default password is **0000**. The Parental Controls sub menu opens.



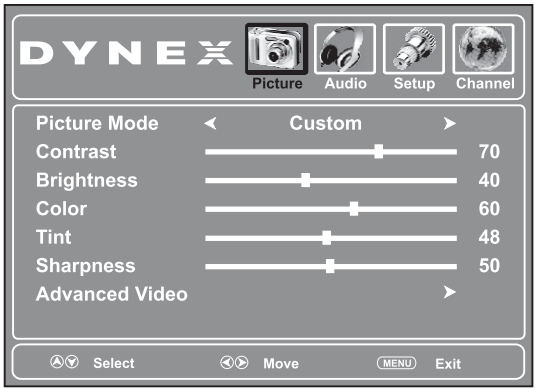
5 Press ▲ or ▼ to highlight **System Lock**, then press ◄ or ► to select **On** (to enable the blocking scheme you set up and to set up the blocking scheme (otherwise the rating setting can not be accessed) or **Off** (to disable the blocking scheme you set up).

6 Press **EXIT** to close the menu.

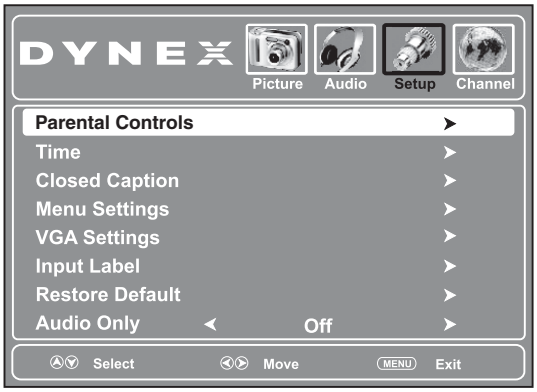
Setting or changing the password

To set the parental password:

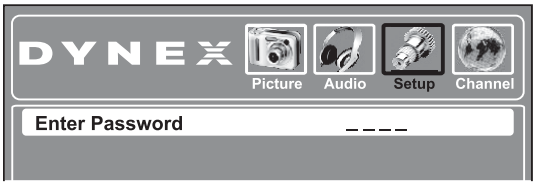
1 Press **MENU**. The on-screen menu opens.



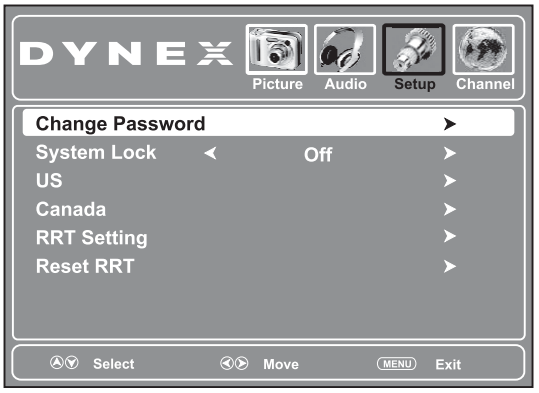
2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens with **Parental Controls** selected.



3 Press **ENTER**. The *Enter Password* screen opens.



4 Press the number buttons to enter the four-digit password. The default password is **0000**. You should change the password to a number you can remember. The Parental Controls sub-menu opens.



5 Press ▲ or ▼ to highlight **Change Password**, then press **ENTER**. The password entry screen opens.

6 Press the number buttons to input old password, then input a new password, and then confirm the new password again. The Parental Controls sub menu reopens.

Note: *If you forget your password, enter* ***9999****.*

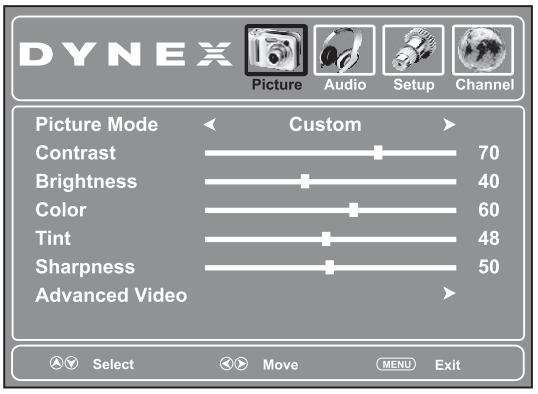
7 Press **EXIT** to close the menu.

Setting parental control levels

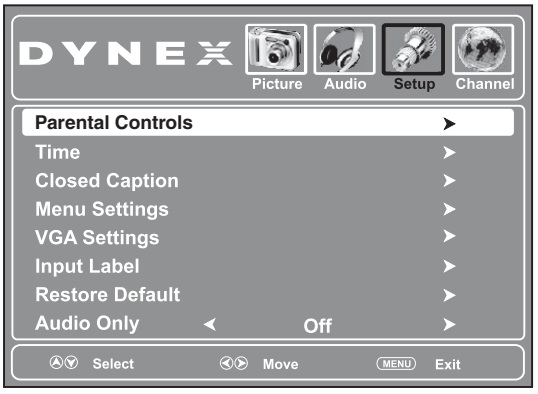
You can set parental controls for the U.S. and Canada. The following procedure shows how to set controls for U.S. TV ratings. You use similar steps for controlling U.S. movie and Canadian TV ratings.

To set parental controls:

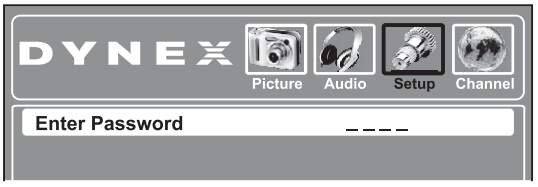
1 Press **MENU**. The on-screen menu opens.



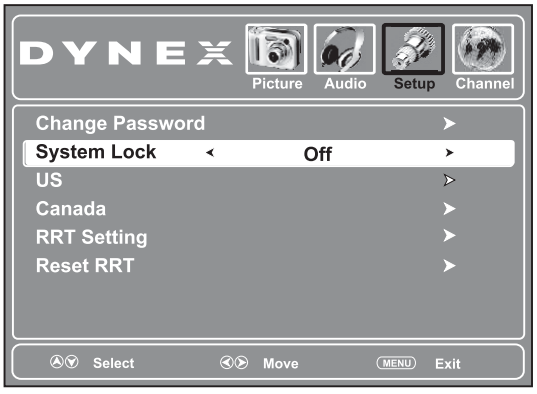
2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens with **Parental Controls** selected.



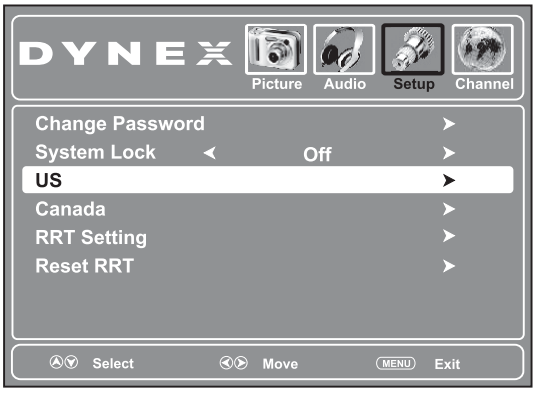
3 Press **ENTER**. The *Enter Password* screen opens.



4 Press the number buttons to enter the four-digit password. The Parental Controls sub menu opens.

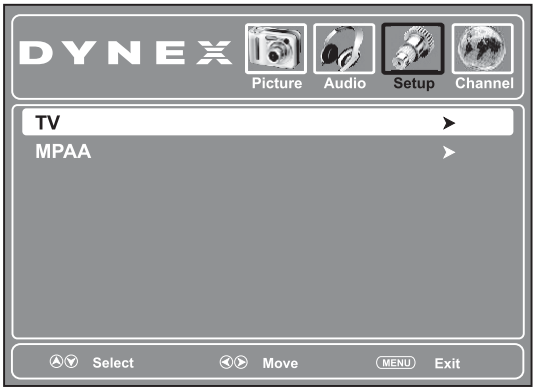


5 Press ▲ or ▼ to highlight **System Lock**, then press ◄ or ► to select **On**.



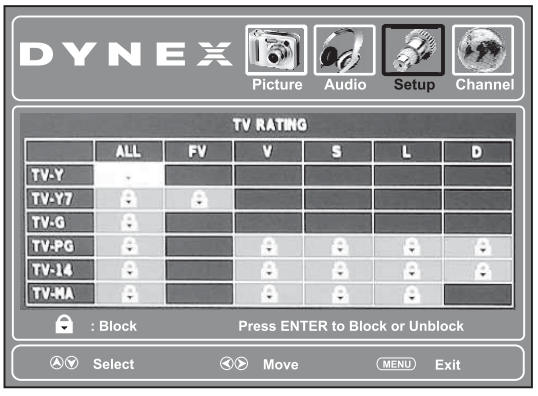
6 Press ▲ or ▼ to highlight **US**, then press **ENTER**. The *US settings* sub-menu opens.

Note: *Select* ***Canada*** *to set Canadian TV controls.*



7 Press ▲ or ▼ to highlight **TV**, then press **ENTER**. The U.S. *TV RATING* screen opens.

Note: *Select* ***MPAA*** *to set controls for U.S. movie ratings.*



8 Press ▲ ▼ ◄ or ► to highlight the rating you want to block, then press **ENTER**. A lock symbol appears when a rating is blocked.

Note: *On the MPAA Rating screen, press ▲ or ▼ to select the rating. That rating and all other higher ratings are blocked.*

9 Press **EXIT** to close the menu.

U.S. TV ratings (age-based)	
TV-Y	All children.
TV-Y7	Suitable for children 7 and older.
TV-G	General audiences.
TV-PG	Parental guidance suggested.
TV-14	Parental guidance strongly suggested.
TV-MA	Mature audiences only.

U. S. TV ratings (content-based)	
FV	Fantasy violence.
V	Violence.
S	Sexual situations.
L	Strong language.
D	Suggestive dialog.

U.S. movie (MPAA) ratings	
G	General audiences.
PG	Parental guidance suggested.
PG-13	Suitable for children 13 and older.
R	Parental guidance suggested for children under 17.
NC-17	Not suitable for children under 17.
X	Adults only.
N/A	Movie is not rated.

Canadian English ratings	
EXEMPT	Exempt programming.
C	Suitable for all children.
C8+	Suitable for children 8 and older.
G	General audiences.
PG	Parental guidance suggested.
14+	Suitable for children 14 and older.
18+	Adults only.

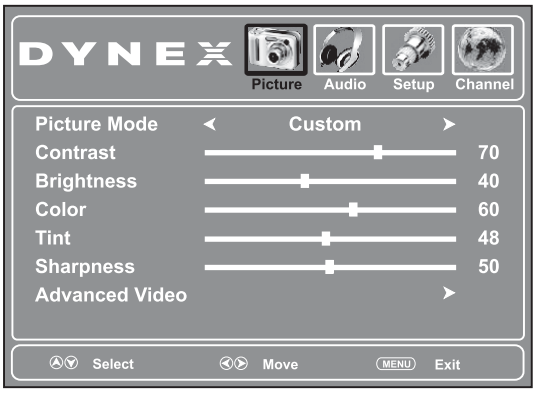
Canadian French ratings	
EXEMPT	Exempt programming.
G	General audiences.
8 ans+	Suitable for children 8 and older.
13 ans+	Suitable for children 13 and older.
16 ans+	Suitable for children 16 and older.
18 ans+	Adults only.

Downloading rating information

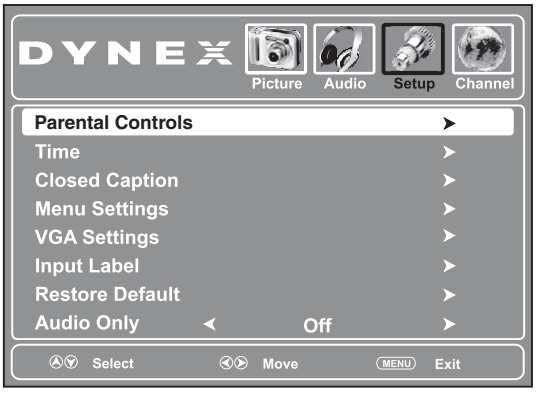
You can download rating information to use when setting parental controls.

To download rating information:

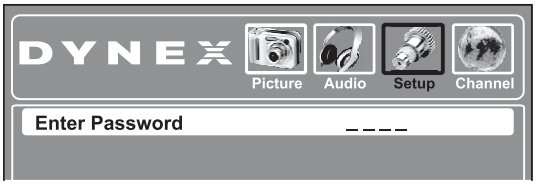
1 Press **MENU**. The on-screen menu opens.



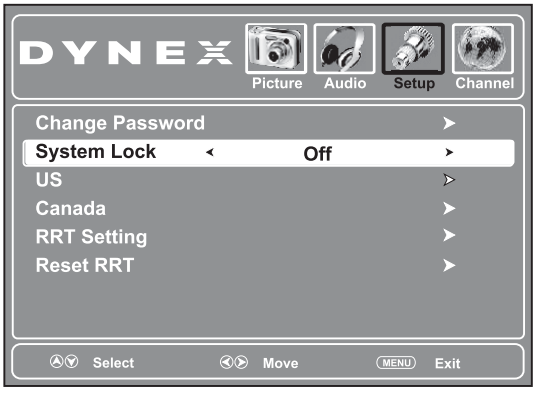
2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens with **Parental Controls** selected.



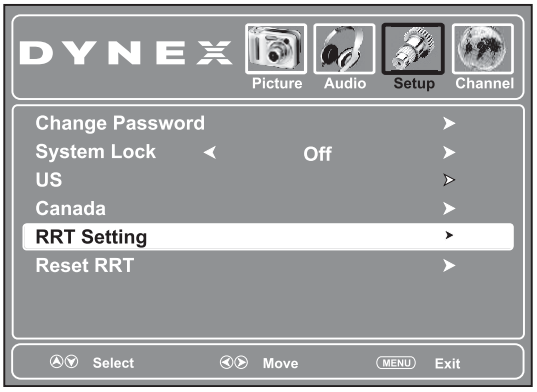
3 Press **ENTER**. The *Enter Password* screen opens.



4 Press the number buttons to enter the four-digit password. The Parental Controls sub menu opens.



5 Press ▲ or ▼ to highlight **System Lock**, then press ◄ or ► to select **On**.



6 Press ▲ or ▼ to highlight **RRT Setting**, then press **ENTER**.

If the program is broadcast with RRT5 rating information, the information is downloaded automatically and can be used for parental controls.

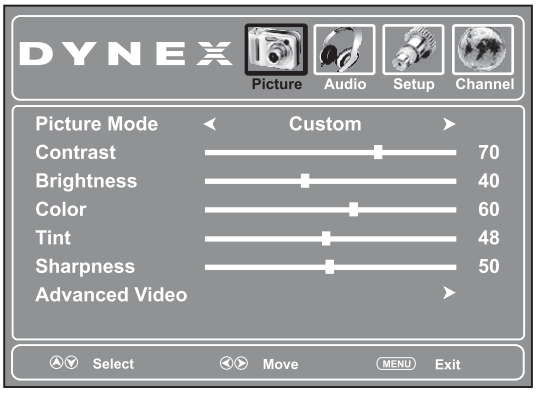
Note: *If you want to clear the downloaded rating information, select* ***Reset RRT****. The rating information is cleared. If rating information is broadcast by another program, your TV downloads the new rating information.*

Using closed captioning

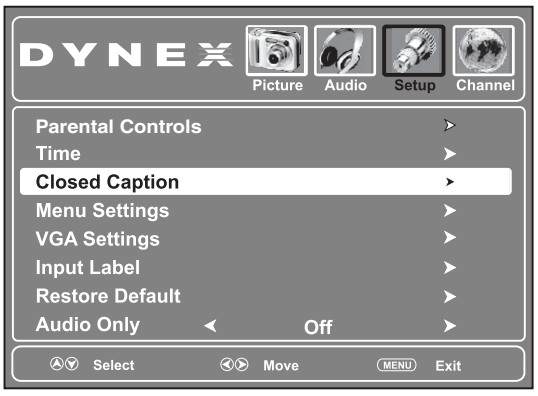
Turning closed captioning on or off

To turn closed captioning on or off:

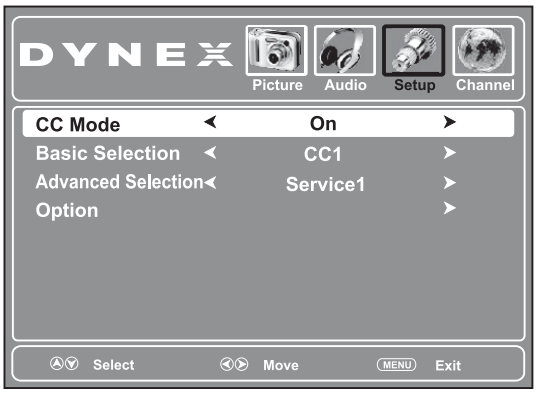
1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3 Press ▲ or ▼ to highlight **Closed Caption**, then press ► or **ENTER**. The closed caption menu opens.



4 Press ▲ or ▼ to highlight **CC Mode**, then press ◄ or ► to select the CC mode. You can select **On** (turns on closed captioning), **CC on Mute** (turns on closed captioning when the sound is muted), or **Off** (turns off closed captioning).

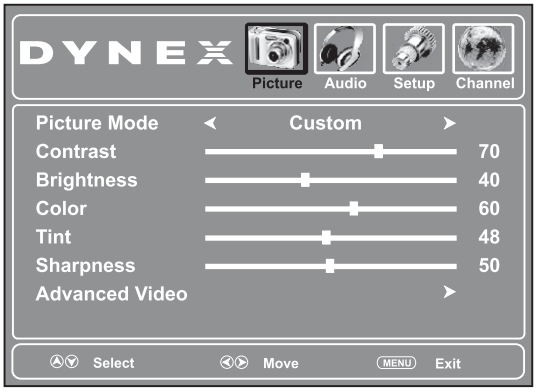
5 Press **EXIT** to close the menu.

Tip: *You can also press* ***CCD*** *to turn closed captioning on or off.*

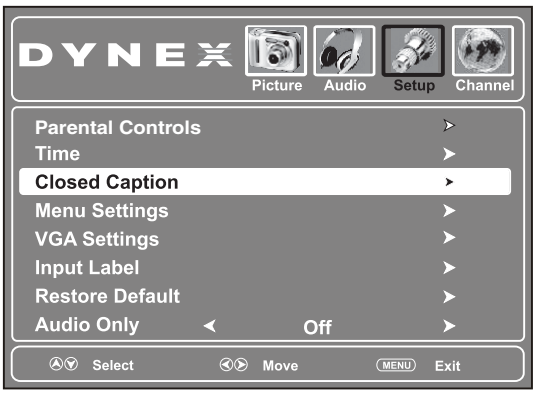
Selecting the closed captioning mode

To select the closed captioning mode:

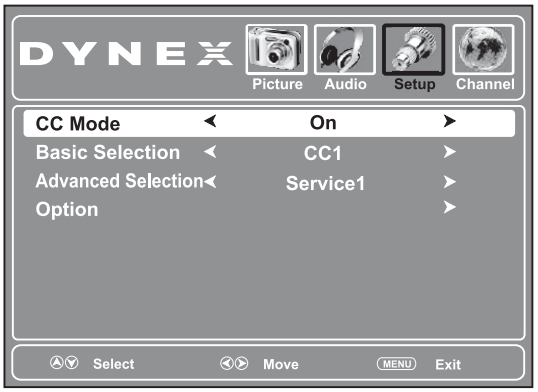
1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.

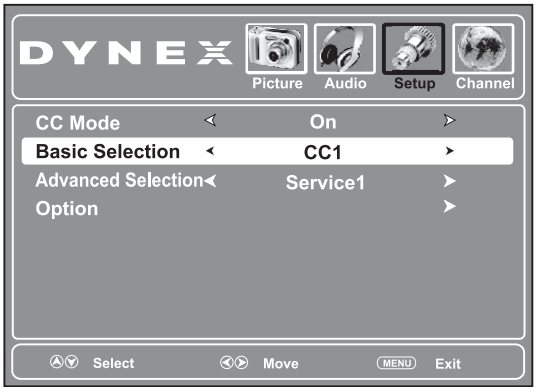


3 Press ▲ or ▼ to highlight **Closed Caption**, then press ► or **ENTER**. The closed caption menu opens.



4 Press ▲ or ▼ to highlight **CC Mode**, then press ◄ or ► to select **On**.

5 Press ▲ or ▼ to highlight **Basic Selection**.



6 Press ◄ or ► to select a closed captioning mode. You can select:

- **CC1** through **CC4**—Closed captioning appears in a small banner across the bottom of the screen. **CC1** is usually the "printed" version of the audio. **CC2** through **CC4** display content provided by the broadcaster.
- **Text1** through **Text4**—Closed captioning that covers half or all of the screen. **Text1** through **Text4** display content provided by the broadcaster.

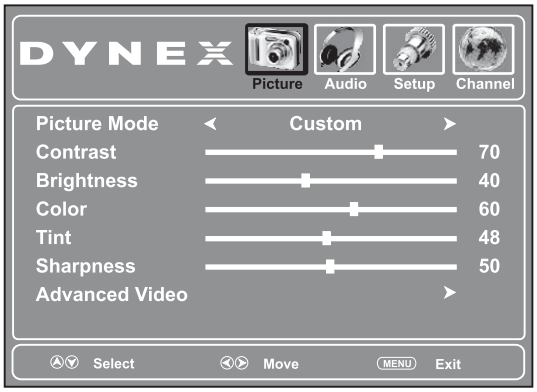
7 Press **EXIT** to close the menu.

Customizing DTV closed captioning styles

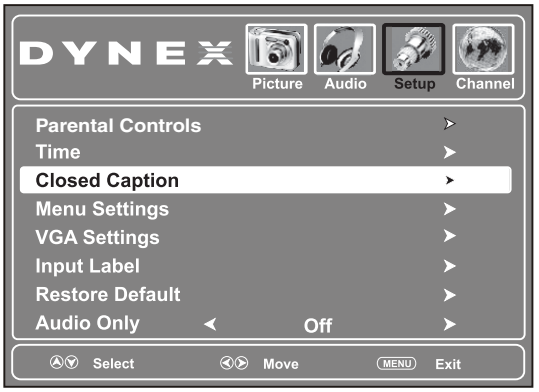
You can customize the way DTV closed captioning is displayed.

To customize DTV closed captioning:

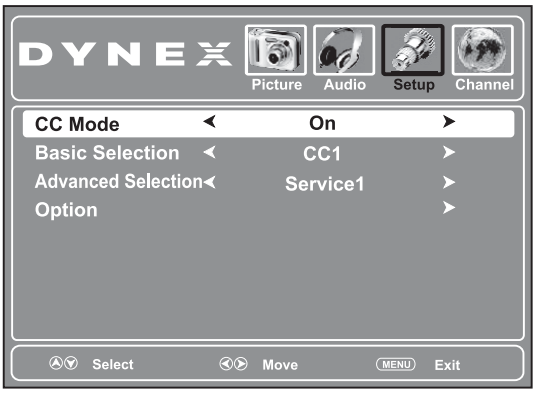
1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.

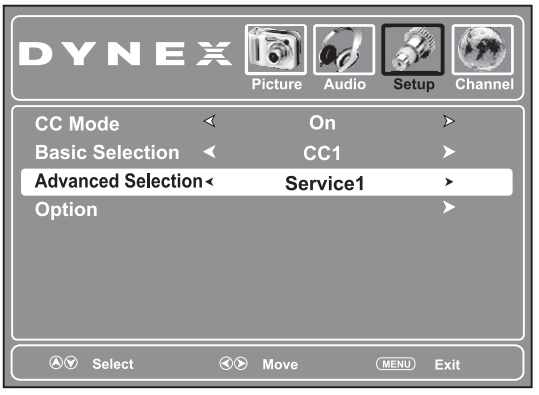


3 Press ▲ or ▼ to highlight **Closed Caption**, then press ► or **ENTER**. The closed caption menu opens.



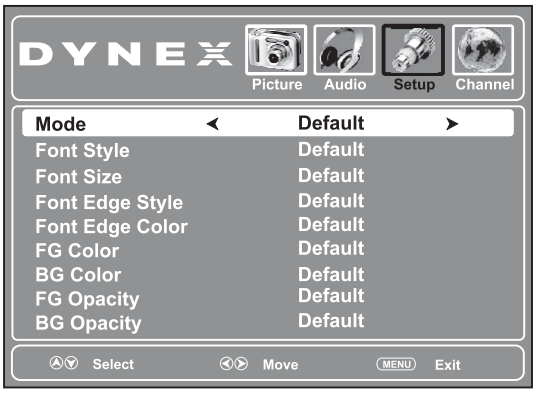
4 Press ▲ or ▼ to highlight **CC Mode**, then press ◄ or ► to select **On**.

5 Press ▲ or ▼ to highlight **Advanced Selection**.



6 Press ◄ or ► to select an advanced digital closed captioning option. You can select **Service1** – **Service6** (displays content provided by the broadcaster).

7 Press ▲ or ▼ to highlight **Option**, then press **ENTER**. The DTV closed captioning styles menu opens.



8 Press ▲ or ▼ to highlight **Mode**, then press ◄ or ► to select **Custom**.

Note: *To reset the closed captioning styles to their defaults, set* ***Mode*** *to* ***Default****.*

9 Press ▲ or ▼ to highlight a style, then press ◄ or ► to adjust the style. You can select:

- **Font Style**—Selects the font style
- **Font Size**—Selects the font size
- **Font Edge Style**—Selects the edge style
- **Font Edge Color**—Selects the edge color
- **FG Color**—Selects the color for the words
- **BG Color**—Selects the color for the background
- **FG Opacity**—Selects the opacity level for the words
- **BG Opacity**—Selects the opacity level for the background

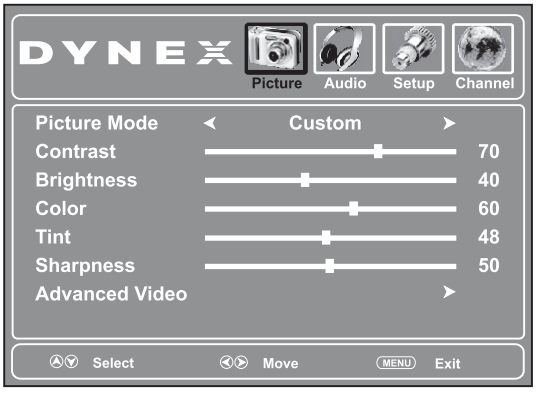
10 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting time settings

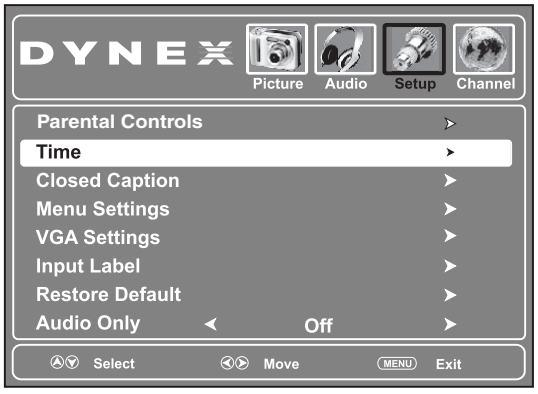
Setting the clock

To set the clock:

1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3 Press ▲ or ▼ to highlight **Time**, then press **ENTER**. The time setting menu opens.

4 Press ▲ or ▼ to highlight **Time Zone**, then press ◄ or ► to select your time zone. You can select **Pacific**, **Alaska**, **Hawaii**, **Atlantic**, **Eastern**, **Central**, or **Mountain**.

5 If your viewing area observes Daylight Savings time, press ▲ or ▼ to highlight **DST**, then press ◄ or ► to select **On**.

The Clock row shows the current time, based on the time zone you select. This information is based on a digital channel and does not need to be set manually.

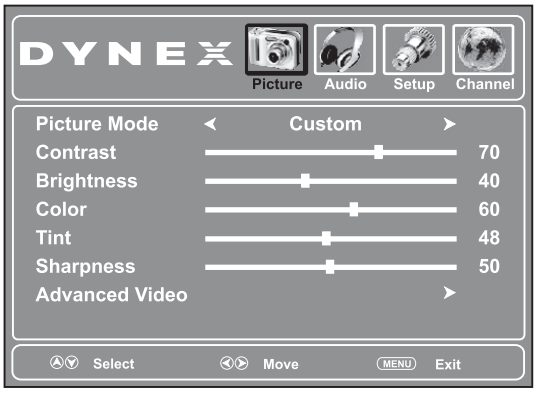
6 Press **EXIT** to close the menu.

Setting the sleep timer

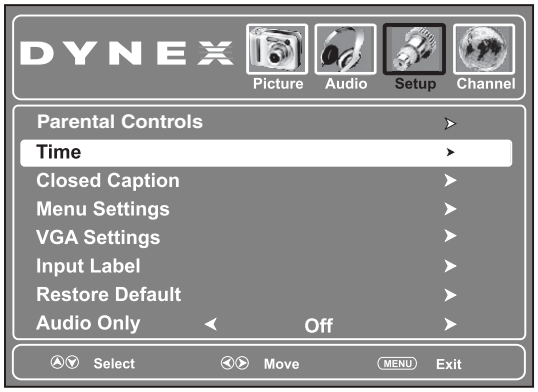
You can specify the amount of time you want your TV to wait before it automatically turns off.

To set the sleep timer:

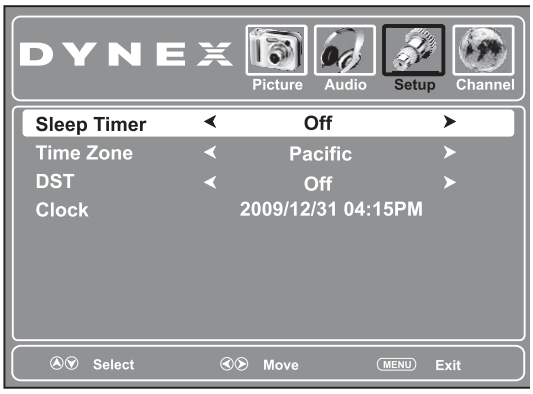
1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3 Press ▲ or ▼ to highlight **Time**, then press **ENTER**. The time setting menu opens.



4 Press ▲ or ▼ to highlight **Sleep Timer**, then press ◄ or ► to select the amount of time you want your TV to wait before it automatically turns off.

Note: *To turn off the sleep timer, select* ***Off****.*

5 Press **EXIT** to close the menu.

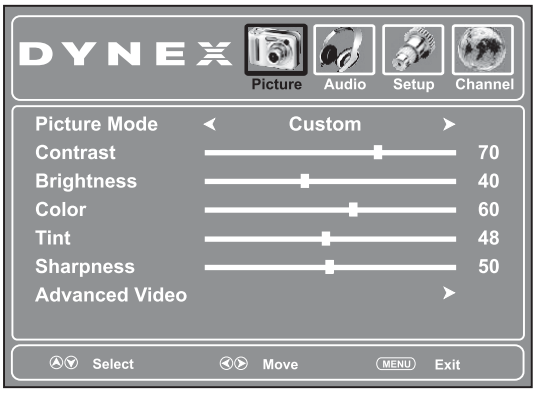
Note: *You can also press* ***SLEEP*** *on the remote control to set the sleep timer.*

Adjusting menu settings

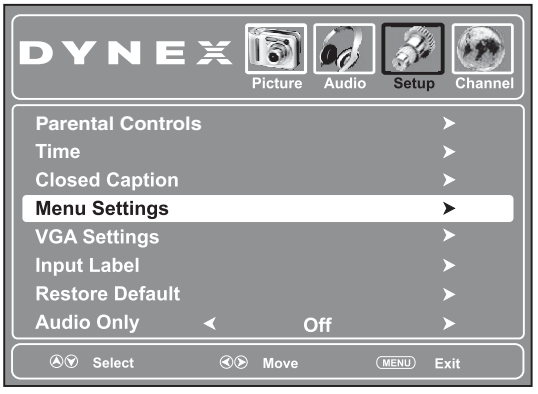
Selecting the menu language and transparency

To select the on-screen menu language and menu transparency:

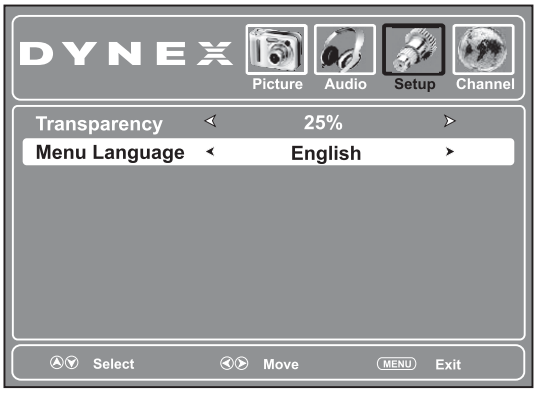
1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3 Press ▲ or ▼ to highlight **Menu Settings**, then press **ENTER**. The Menu Settings menu opens.



4 Press ▲ or ▼ to highlight **Menu Language,** then press ◄ or ► to select the menu language you want. Options include **English**, **French**, and **Spanish**.

5 Press ▲ or ▼ to select **Transparency,** then press ◄ or ► to select the menu transparency you want. Options include **0%**, **25%**, **50%**, **75%**, and **100%**

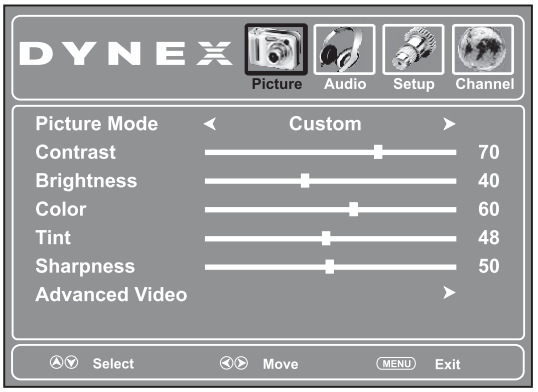
6 Press **EXIT** to close the menu.

Labeling an input source

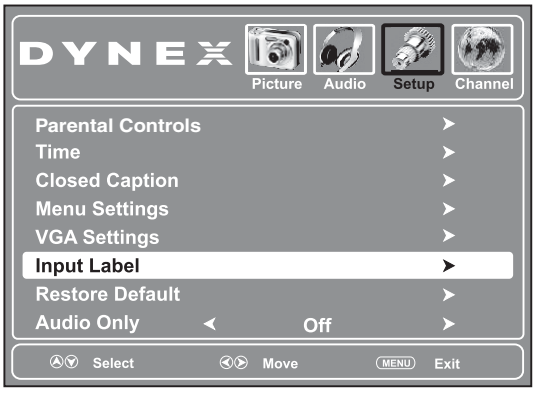
You can add a label to an input source to make it easier to identify.

To label an input source:

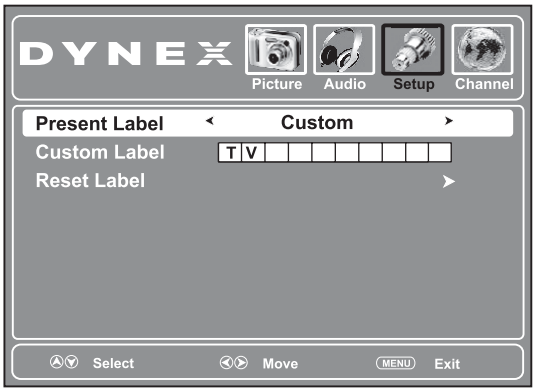
1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3 Press ▲ or ▼ to highlight **Input Label**, then press **ENTER**. The Input Label screen opens.



4 Press ◄ or ► to highlight a preset label from several options or select **Custom** to enter your own label.

5 If you select **Custom**, press ▲ or ▼ to highlight **Custom Label**, then press ►.

6 Press ▲ or ▼ to select a character, then press ◄ or ► to move to the next position. Repeat this step to add more characters.

7 To reset the label to the factory default, press ▲ or ▼ to highlight **Reset Label** and press **ENTER**, then follow the on-screen instructions.

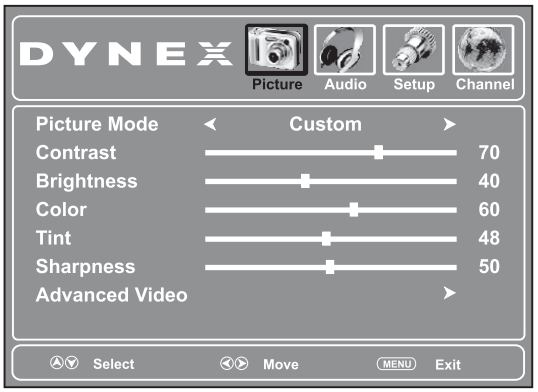
8 Press **MENU** to exit.

Restoring default settings

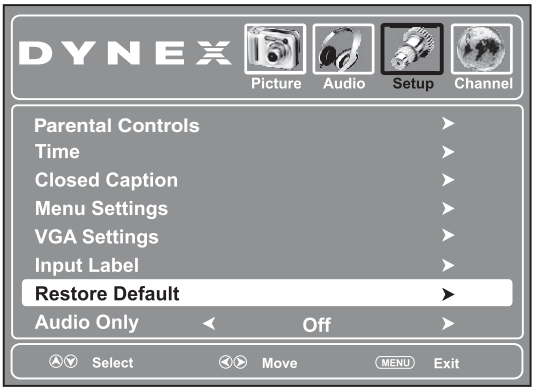
***Caution**: When you restore default settings, all the settings (except the password and parental rating) you have customized are reset.*

To restore default settings:

1 Press **MENU**. The on-screen menu opens.



2 Press ◄ or ► to highlight **Setup**, then press ▼. The *Setup* menu opens.



3 Press ▲ or ▼ to highlight **Restore Default**, then press **ENTER**. A confirmation box opens.

4 Press ◄ or ► to select **Yes**, then press **ENTER**.

5 Press **EXIT** to close the menu.

Troubleshooting

Warning: *Do not try to repair your TV yourself. Contact authorized service personnel.*

Video and audio

Problem	Solution
No picture or sound (the screen is not lit)	• Make sure that the power cord is plugged into a power outlet. • Press ⏻ (power) on your TV or the remote control. • Try another channel. The problem could be with the TV station.
Dark, poor, or no picture (the screen is lit), but sound is good	• Select the correct picture mode. For more information, see "Adjusting the picture" on page 13. • Adjust the brightness. For more information, see "Adjusting the picture" on page 13. • Make sure that the antenna or cable TV is connected correctly. For more information, see "Connecting an antenna, cable TV, or satellite TV box" on page 8.
No color, picture is dark, or color is not correct	• Adjust the color saturation. For more information, see "Adjusting the picture" on page 13.
Only noise (snow) appears on the screen	• Make sure that the antenna or cable TV is connected correctly. For more information, see "Connecting an antenna, cable TV, or satellite TV box" on page 8. • Try another channel. The problem could be with the TV station.
Picture has dotted lines or stripes	• Adjust the antenna. • Move your TV away from noise sources, such as cars, neon signs, or hair dryers.
Picture has double images	• Use a highly directional outdoor antenna or change to cable or satellite TV.
Picture has a few bright or dark dots	• A few bright or dark dots on an LCD screen is normal. It does not affect the operation of this TV.
Good picture, no sound	• Increase the volume. • Press **MUTE** to make sure that the sound is not muted. • Make sure that the audio mode is set to **STEREO** or **MONO**. For more information, see "Selecting the audio mode" on page 15.
Audio noise or static	• Move radio frequency communication equipment, such as a cordless phone, away from your TV.

Remote control

Problem	Solution
Remote control does not work	• Replace the batteries. For more information, see "Installing remote control batteries" on page 7. • Make sure that the batteries are inserted correctly. For more information, see "Installing remote control batteries" on page 7. • Make sure that the power cord is plugged into an AC power outlet.

General

Problem	Solution
Cannot tune to one or more channels	• The program you want to watch may be blocked through the parental controls. For more information, see "Setting parental control levels" on page 20 or "Turning parental controls on or off" on page 18. • The channel may have been deleted from the channel list. You can tune to the channel by pressing the number buttons or you can add the channel back to the channel list. For more information, see "Changing channel settings" on page 15.
Password is lost	• On the *Parental Controls* menu, enter **9999** for the password, then set a new password. For more information, see "Setting parental controls" on page 20.
Cannot access some items	• If a setting or option is grayed out, it is not available in the current input mode.
TV cabinet creaks	• When you are using your TV, the temperature inside the cabinet increases. This causes the cabinet to expand or contract, which produces the creaking noise. This is not a malfunction.
Buttons do not work	• Unplug the power cord for a few seconds, then plug it back in and turn on your TV.

Note*: If the problem is not solved by using these troubleshooting instructions, turn off your TV, then turn it on again.*

Maintenance

Cleaning

- Clean your TV with a soft, dry cloth. If surfaces are extremely dirty, use a soft cloth dampened with a weak detergent solution.
- Use an eyeglass cleaner to clean the screen. Never use alcohol, paint thinner, or benzine.
- Before using a chemically treated cloth, read the instructions that came with the cloth.

Specifications

Design and specifications are subject to change without notice. Dimensions and weight are approximate.

TV type	LCD
TV panel	15-inch (DX-L15-10A) TFT LCD 19-inch (DX-L19-10A) TFT LCD 22-inch (DX-L22-10A) TFT LCD
TV system	NTSC-M, ATSC
Channels	VHF: 2 - 13 UHF: 14 - 69 CATV: 1 - 125 CADTV: 1-135 DTV: 2 - 69
Audio multiplex	BTSC system
Audio output	3W × 2
Power requirement	AC 120 V, 60 Hz

Power consumption	30W (15") 35W (19") 50W (22")
Dimensions	15.35 × 11.57 × 7.1 inches (15") (390 × 294 × 180 mm) 18.03 × 13.23 × 7.1 inches (19") (458 × 336 × 180 mm) 20.7 ×14.6 × 7.1 inches (22") (526 × 372 × 180 mm)
Weight	6.18 lbs. (2.8 kg) - 15" 8.82 lbs. (4 kg) - 19" 10 lbs. (4.5 kg) - 22"
Input terminals	Composite video/left and right audio (2) S-Video (1) Component video/left and right audio (1) HDMI (1) VGA/audio (1) Antenna (1)
Output terminals	Headphone jack (1)
Control terminals	RS-232 (1) Service Port (1)

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.
Standard Television Receiving Apparatus — Appareil de réception télévision ordinaire, Canada BETS-7 / NTMR-7

Notices

Specifications and features are subject to change without notice or obligation.

For service and support call (800) 305-2204.

One-year limited warranty

Dynex Products ("Dynex") warrants to you, the original purchaser of this new **DX-L15-10A, DX-L19-10A,** or **DX-L22-10A** ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Dynex brand Products and packaged with this warranty statement. This warranty does not cover refurbished product. If you notify Dynex during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for one year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Dynex repair center or store personnel, Dynex will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Dynex and are not returned to you. If service of products and parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Dynex Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.
To obtain in-home warranty service for a television with a screen 30 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Dynex-approved repair person dispatched to your home.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the Product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Dynex to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. DYNEX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. DYNEX PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.
Contact Dynex:
For customer service please call 1-800-305-2204
www.dynexproducts.com
Distributed by Best Buy Purchasing, LLC
7601 Penn Avenue South, Richfield, Minnesota, U.S.A. 55423-3645
© 2009 Best Buy Enterprise Services, Inc.
All rights reserved. DYNEX is a trademark of Best Buy Enterprise Services, Inc. Registered in some countries. All other products and brand names are trademarks of their respective owners.

DYNEX™

www.dynexproducts.com (800) 305-2204

Distributed by Best Buy Purchasing, LLC
7601 Penn Ave. South, Richfield, MN 55423 U.S.A.
© 2009 Best Buy Enterprise Services, Inc. All rights reserved.
DYNEX is a trademark of Best Buy Enterprise Services, Inc. Registered in some countries. All other products and brand names are trademarks of their respective owners.

08-1840
ENGLISH